

FIG.1

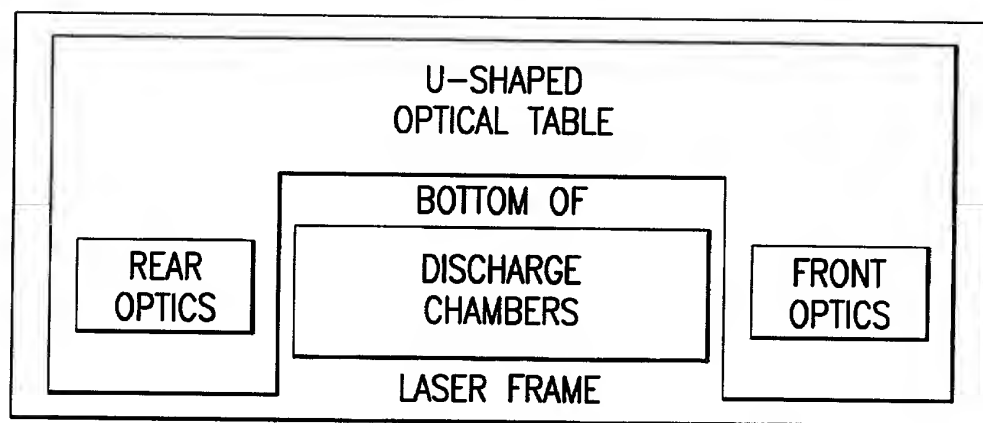


FIG. 1A

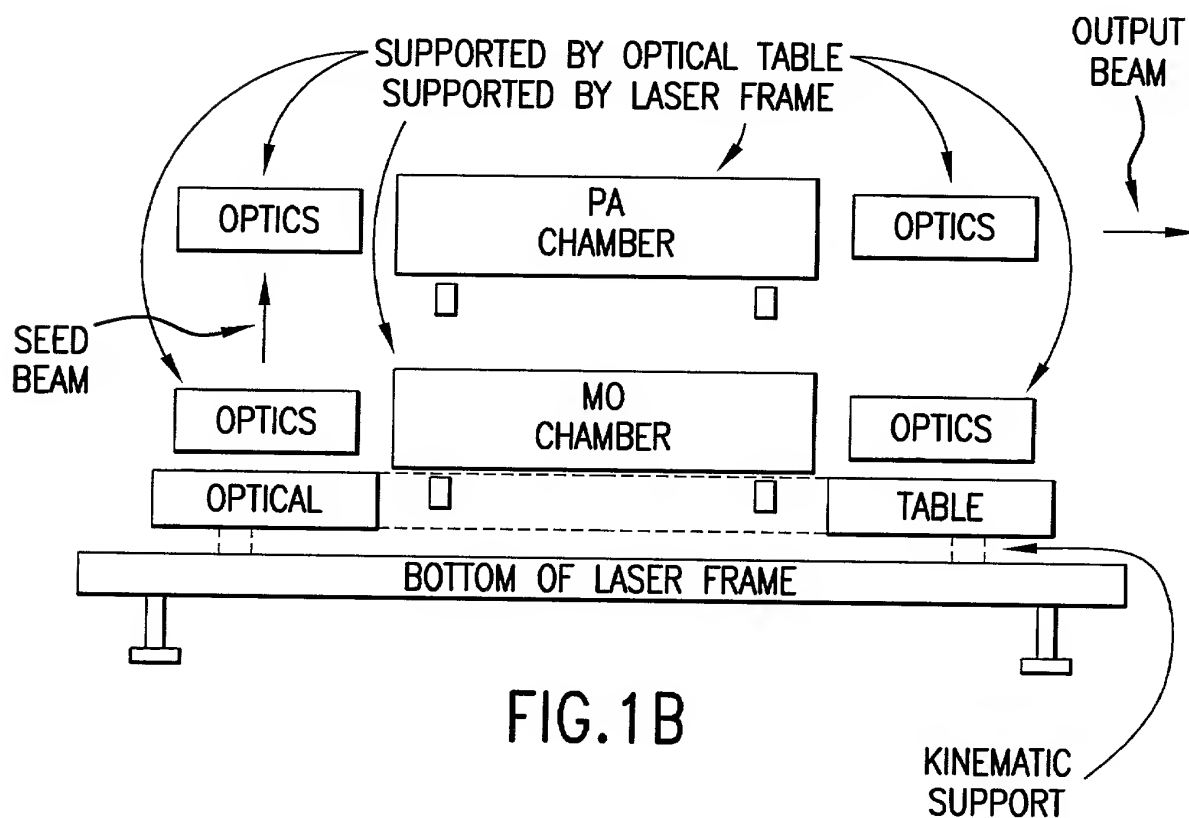


FIG. 1B

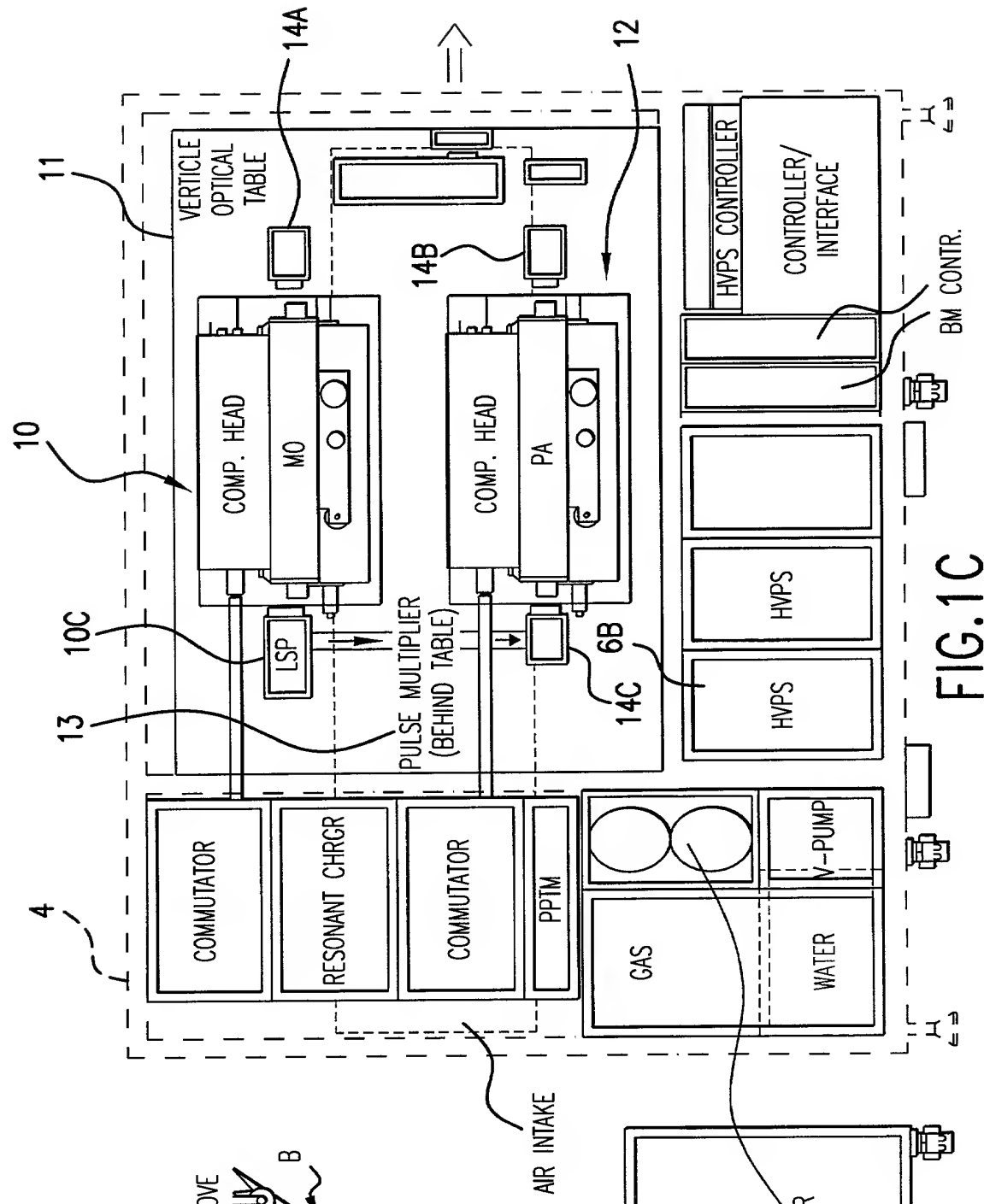
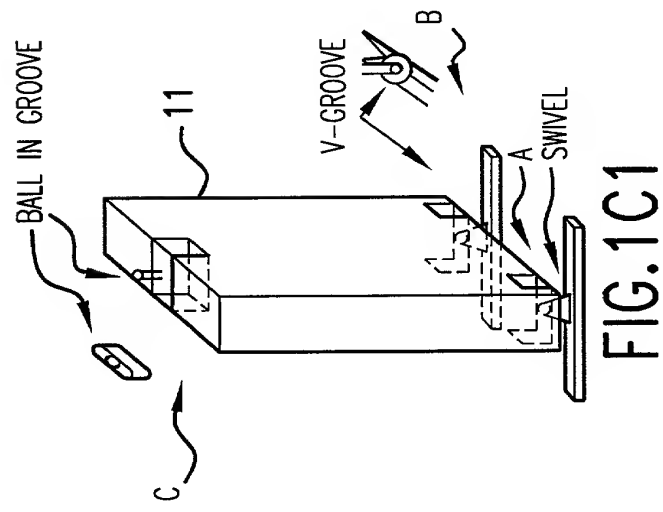


FIG. 1C

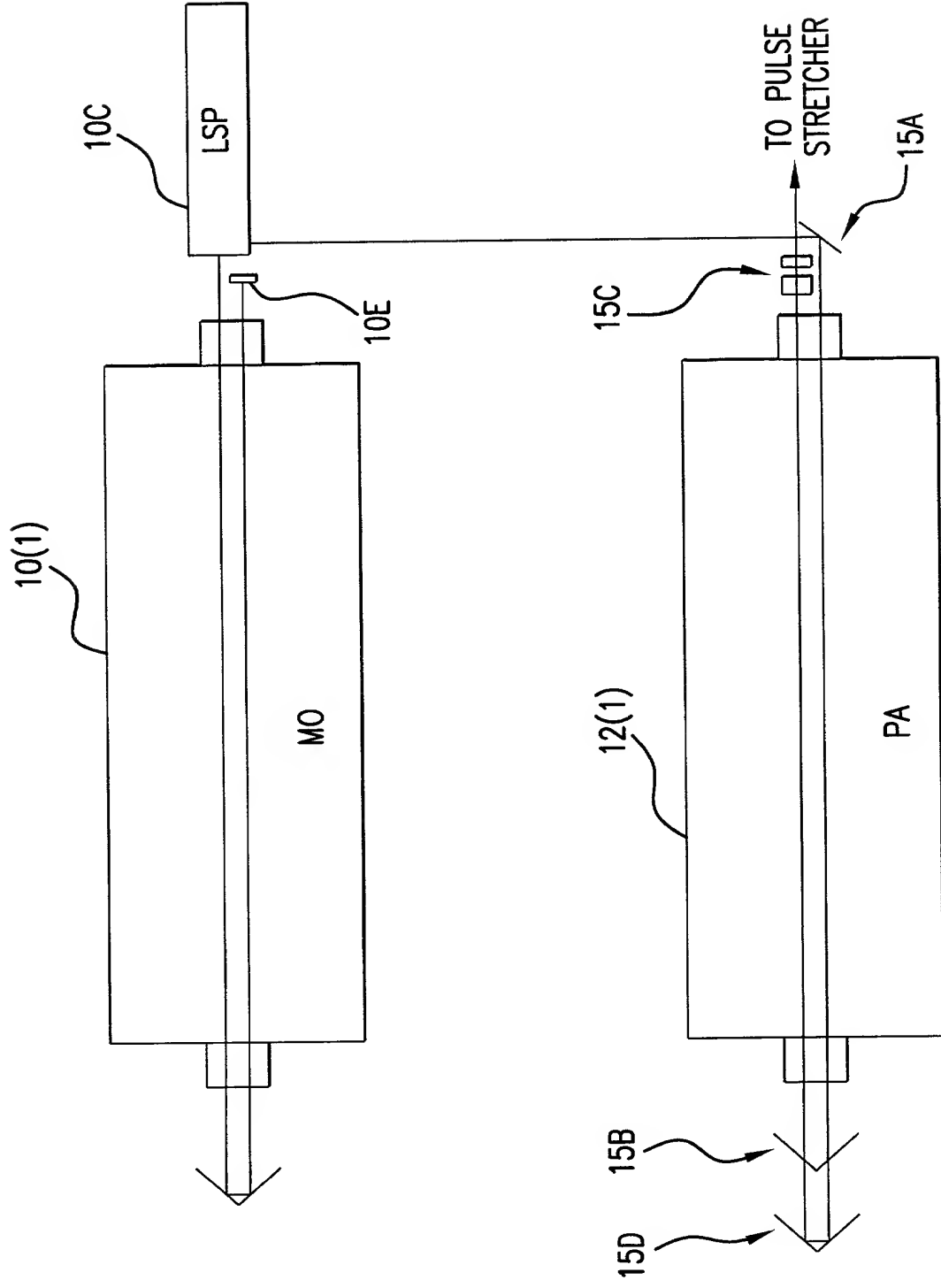


FIG.1D

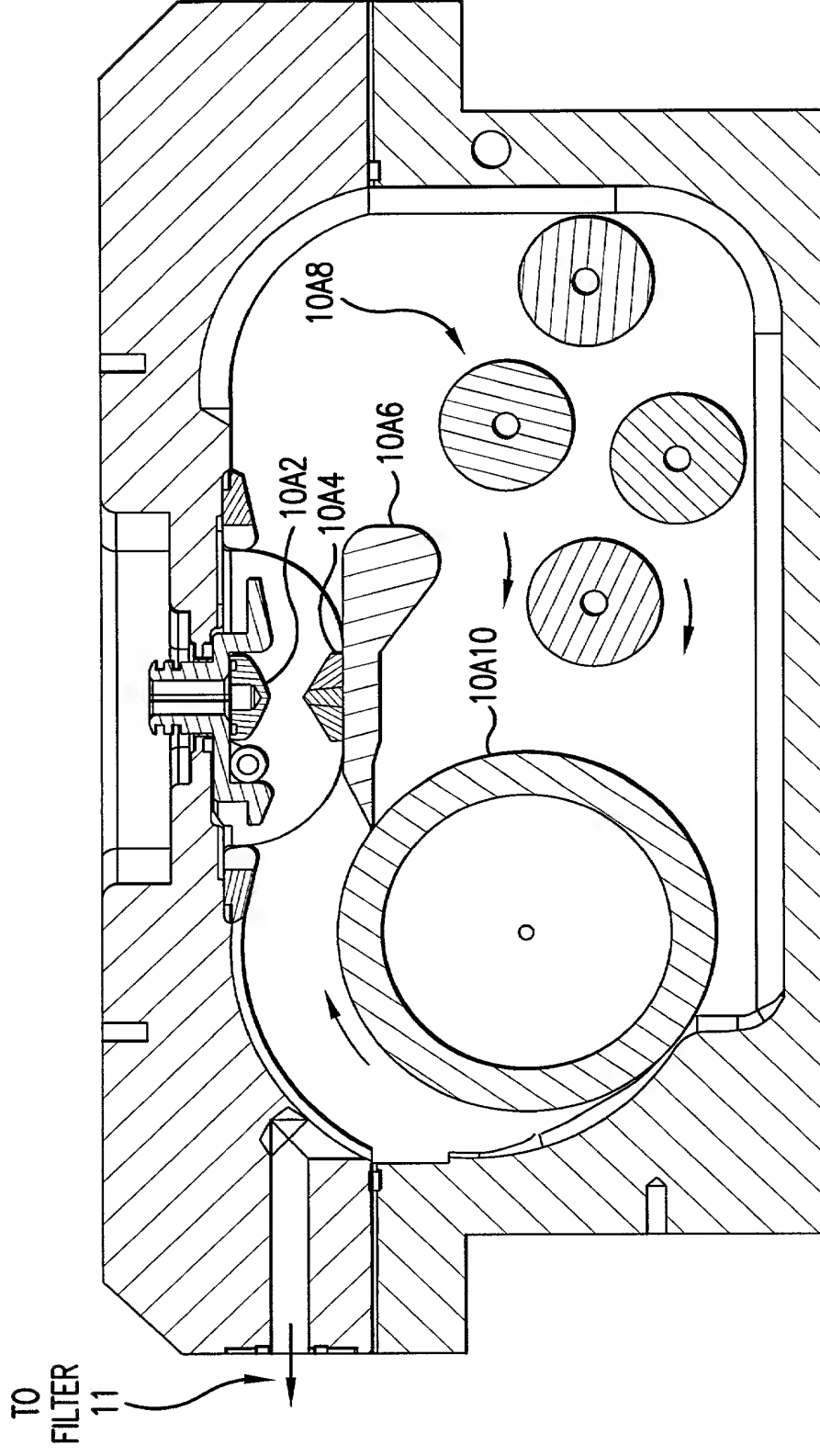


FIG. 2

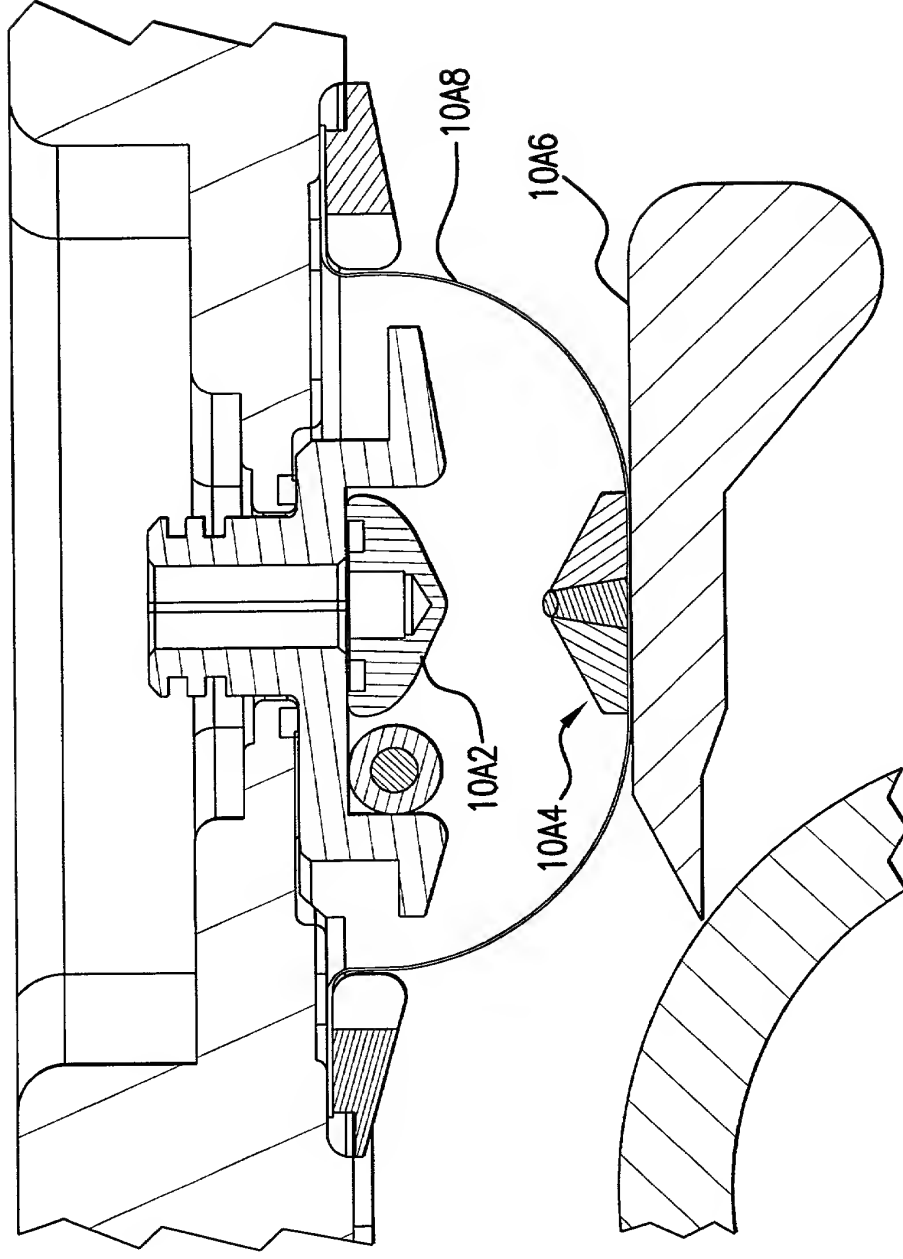


FIG. 3

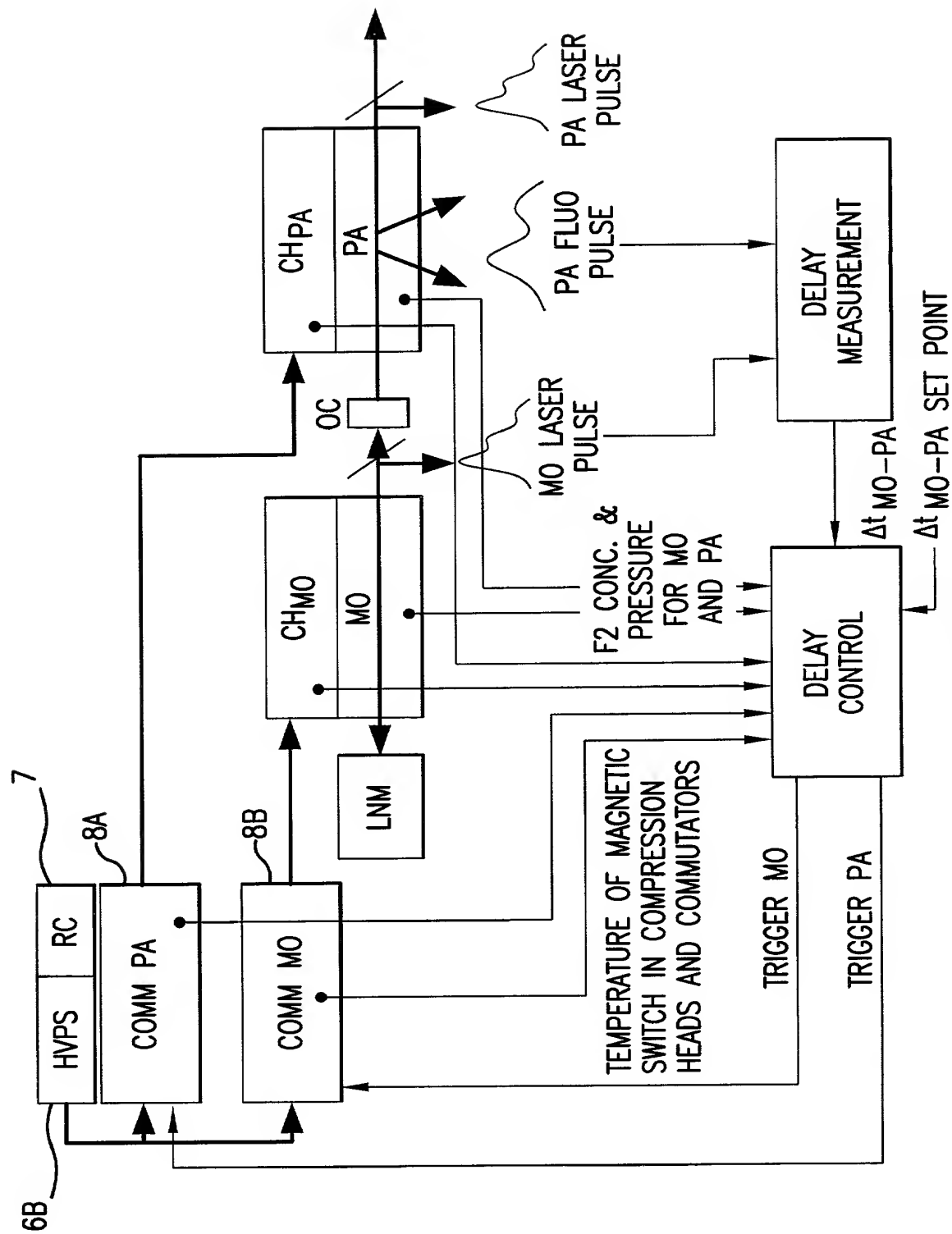


FIG.4

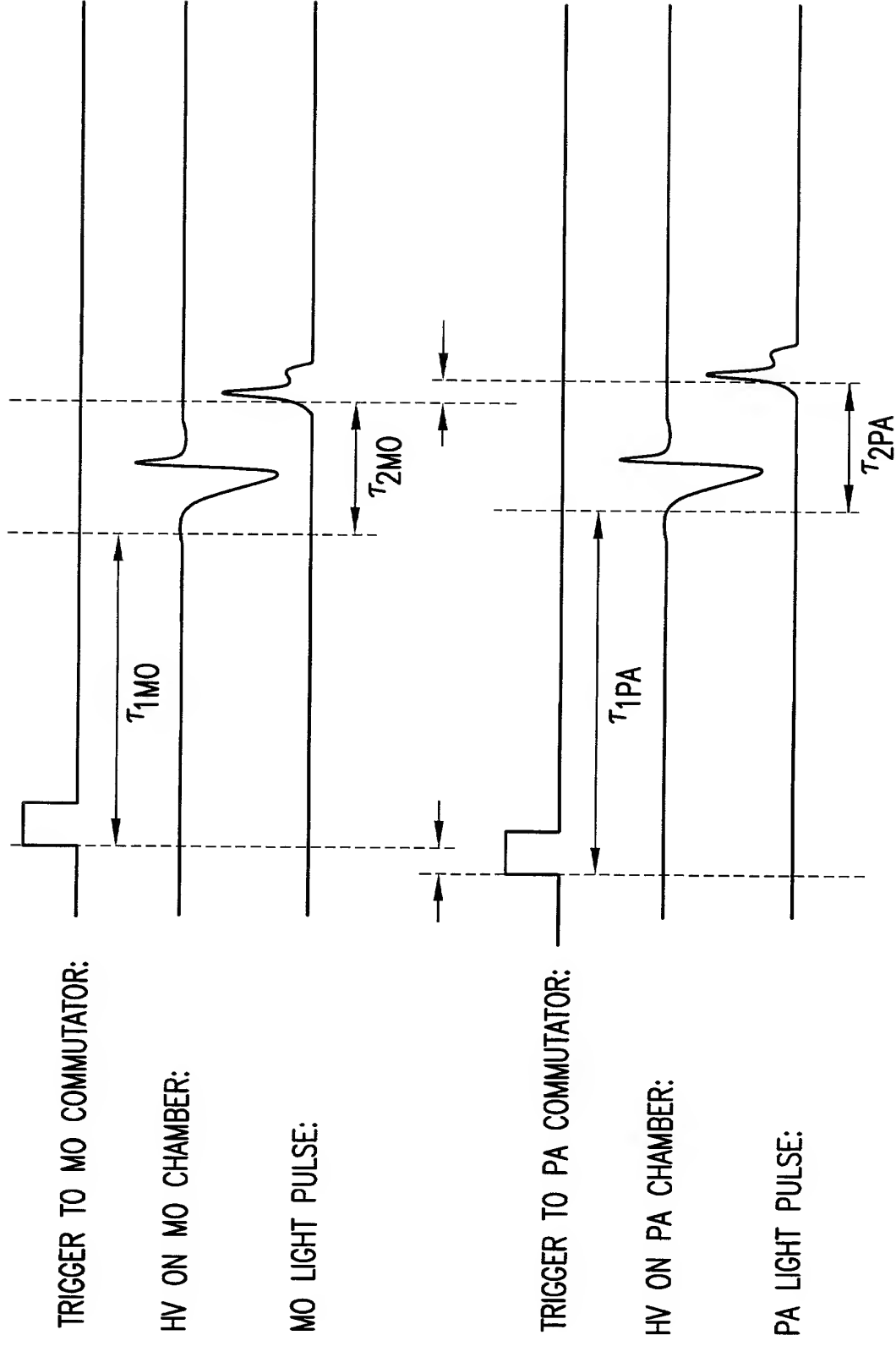


FIG.4A

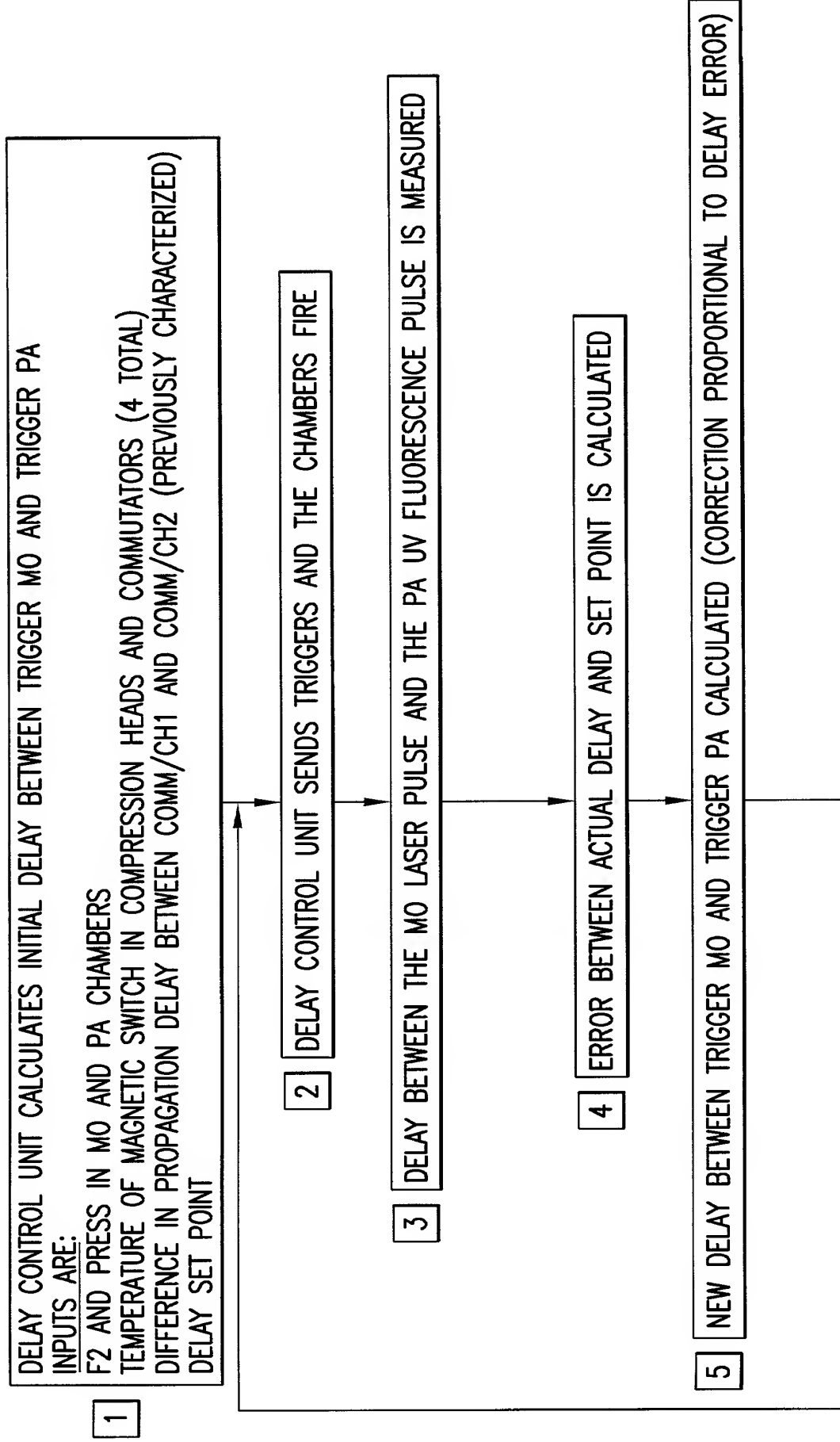


FIG.4B

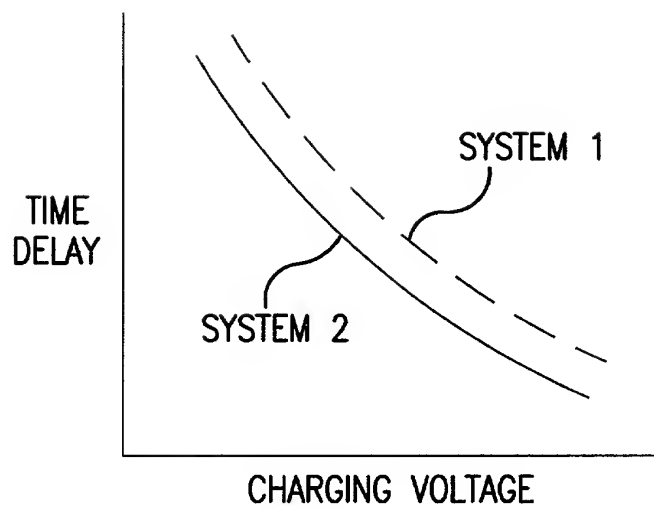
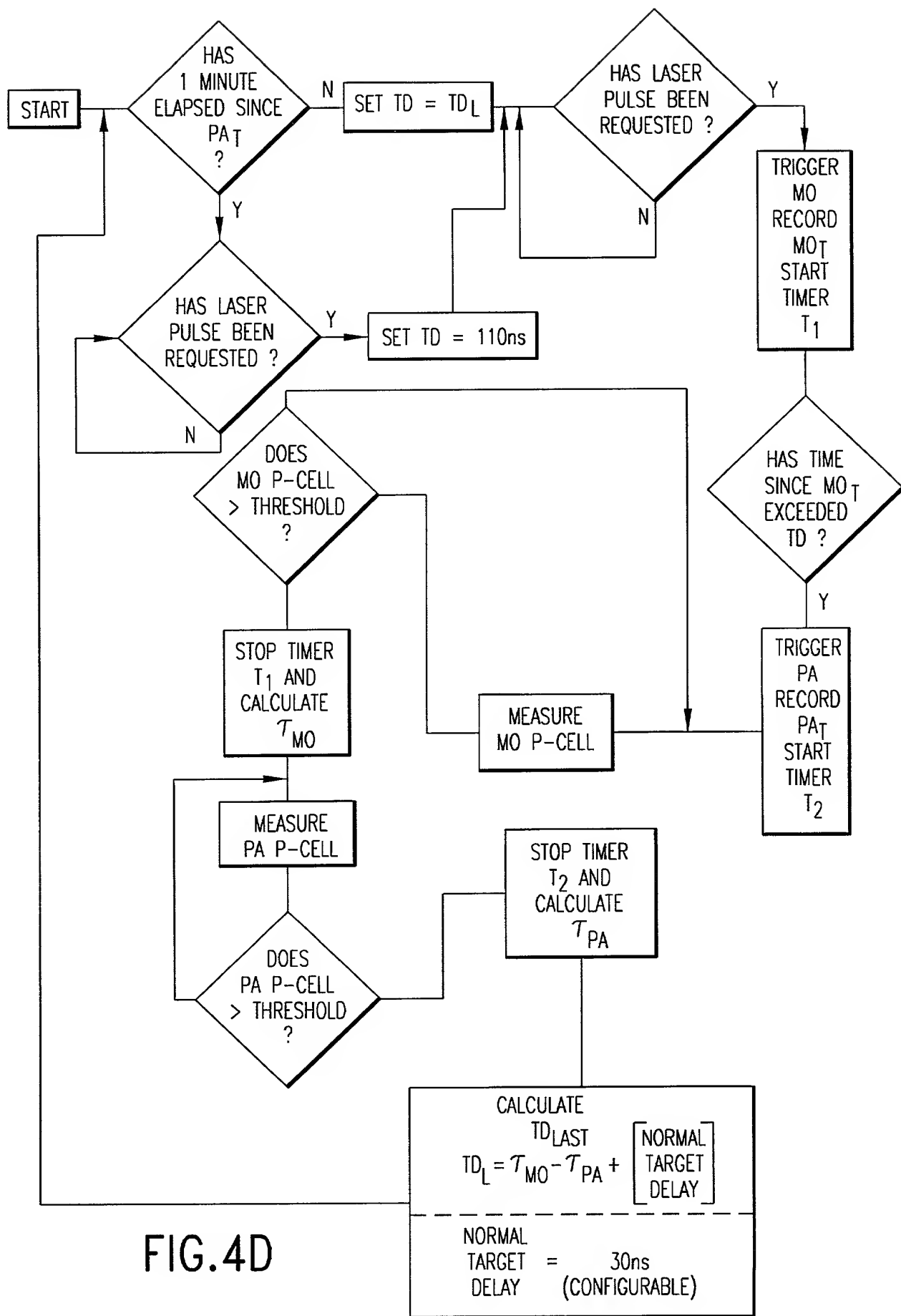


FIG.4C



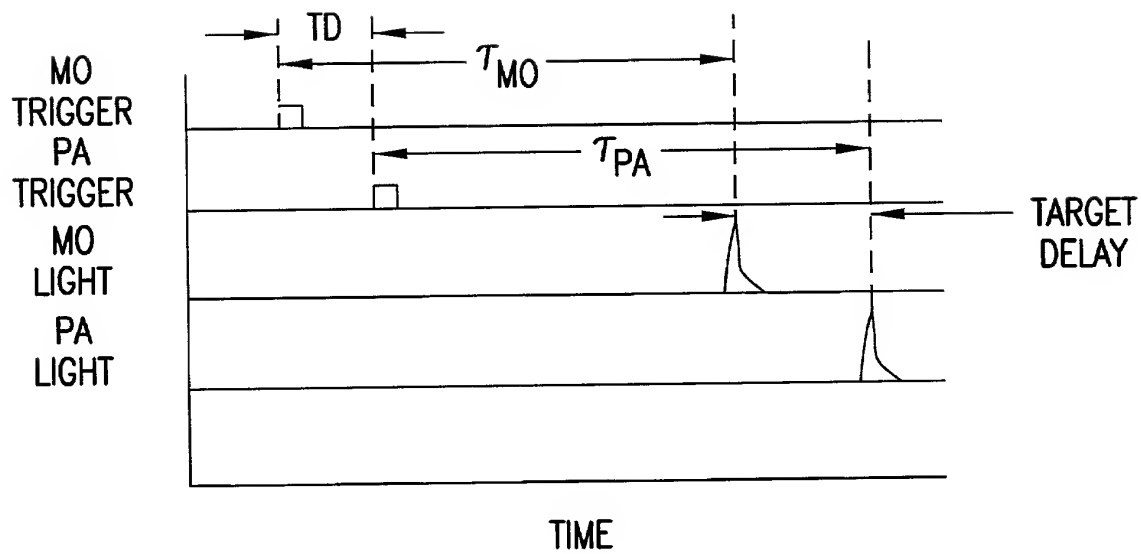
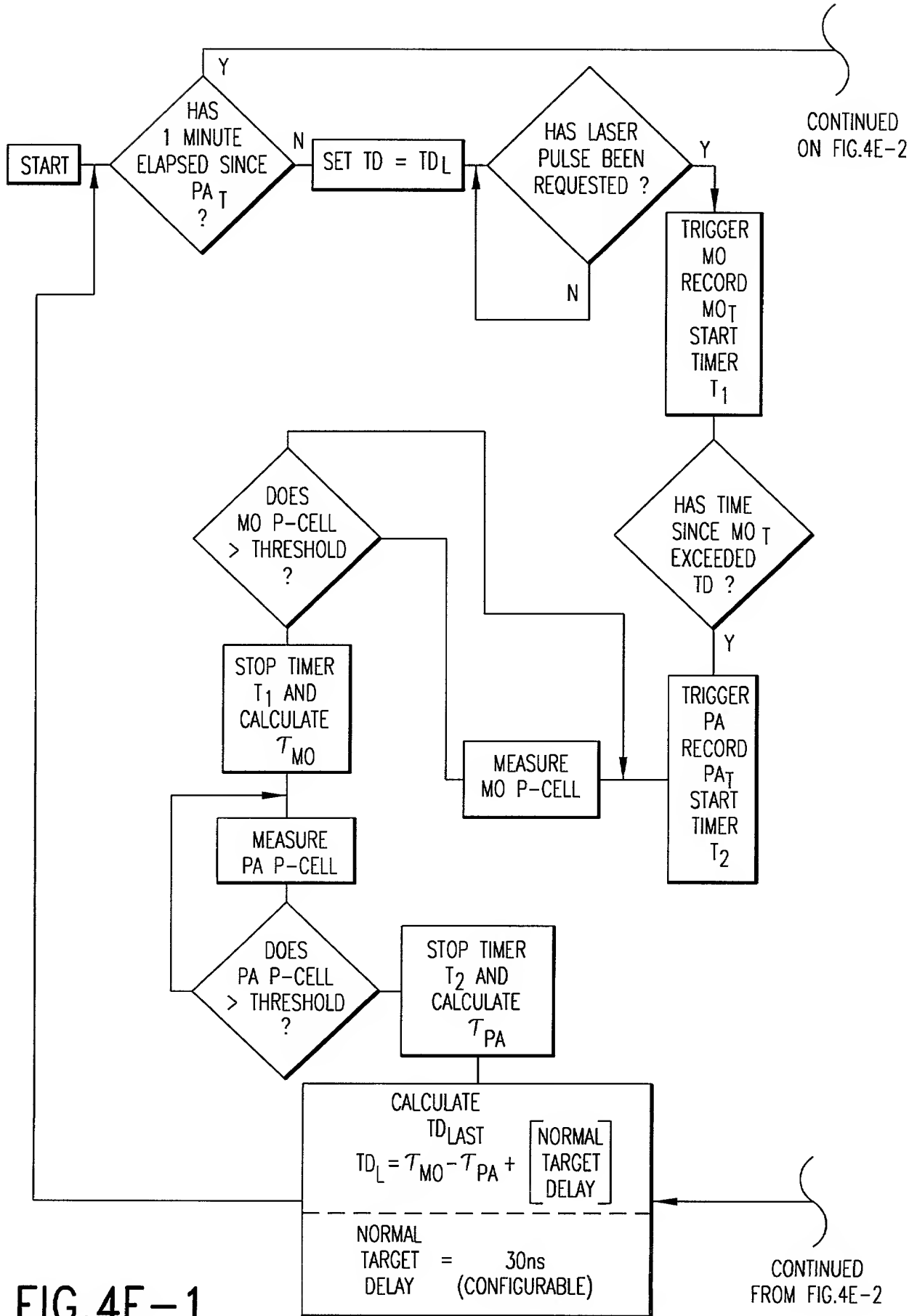


FIG.4D1



CONTINUED
FROM FIG.4E-1

N

HAS LASER
PULSE BEEN
REQUESTED ?

Y

TRIGGER
PA
RECORD
 PA_T
START
TIMER
 T_2

HAS
ELAPSED
TIME SINCE PA_T
EXCEEDED
40ns ?

TRIGGER
MO
RECORD
 MO_T
START
TIMER
 T_1

MEASURE
PA P-CELL

DOES
PA P-CELL
> THRESHOLD
?

STOP TIMER
 T_2 AND
CALCULATE
 τ_{PA}

STOP TIMER
 T_1 AND
CALCULATE
 τ_{MO}

DOES
MO P-CELL
> THRESHOLD
?

MEASURE
MO P-CELL

CONTINUED
ON FIG.4E-1

FIG.4E-2

20240619 04:00

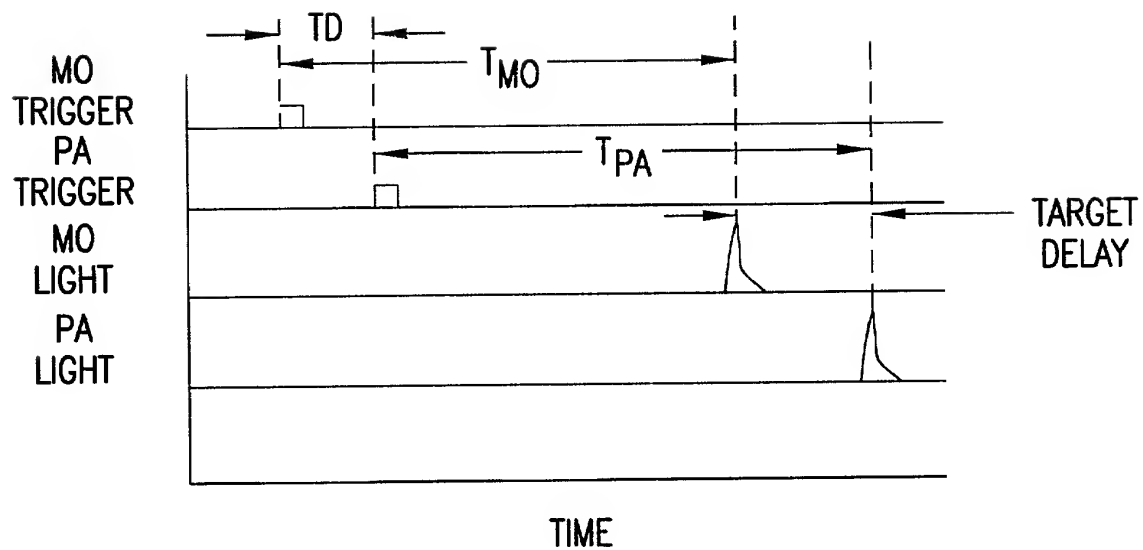


FIG.4E-3

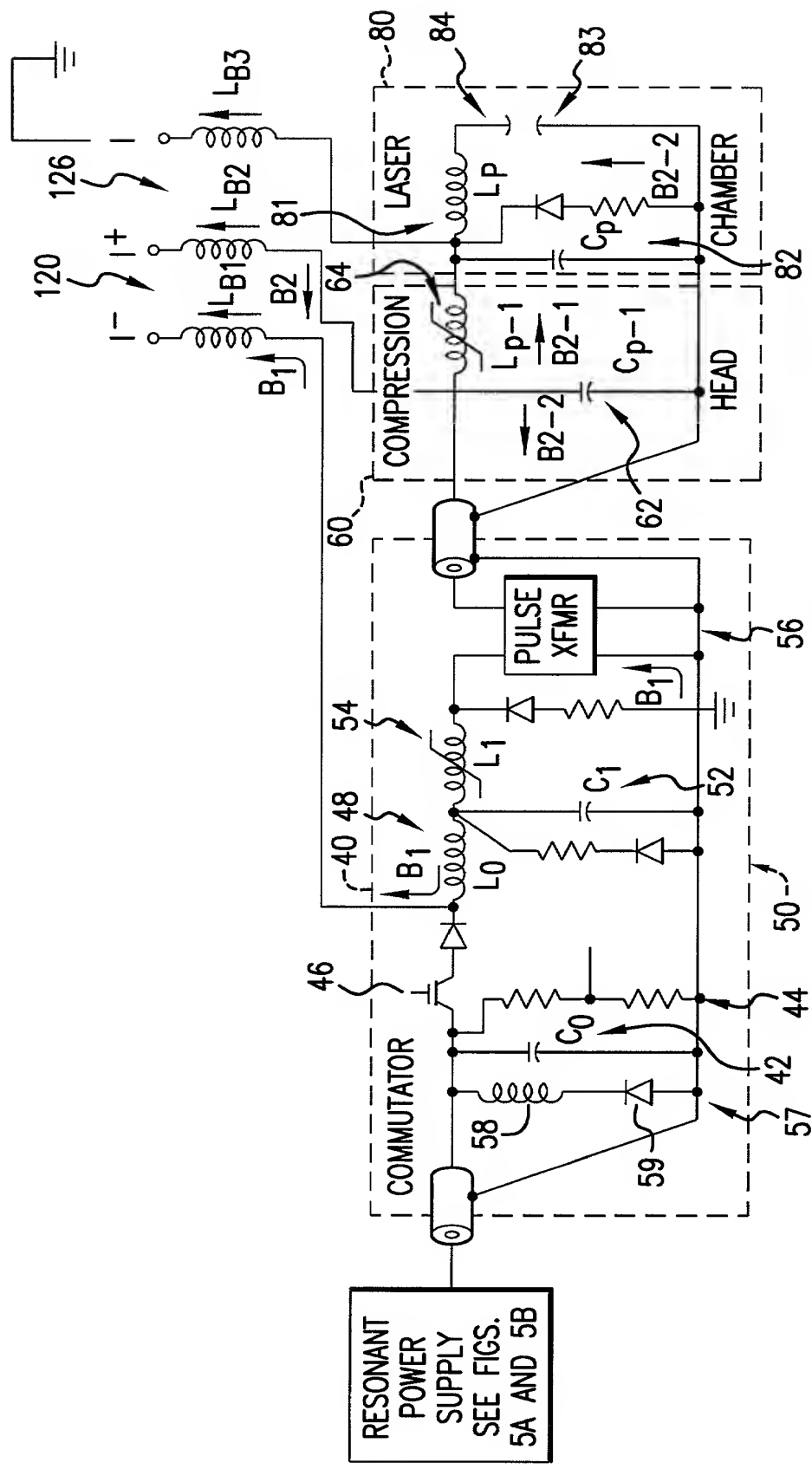


FIG.5A

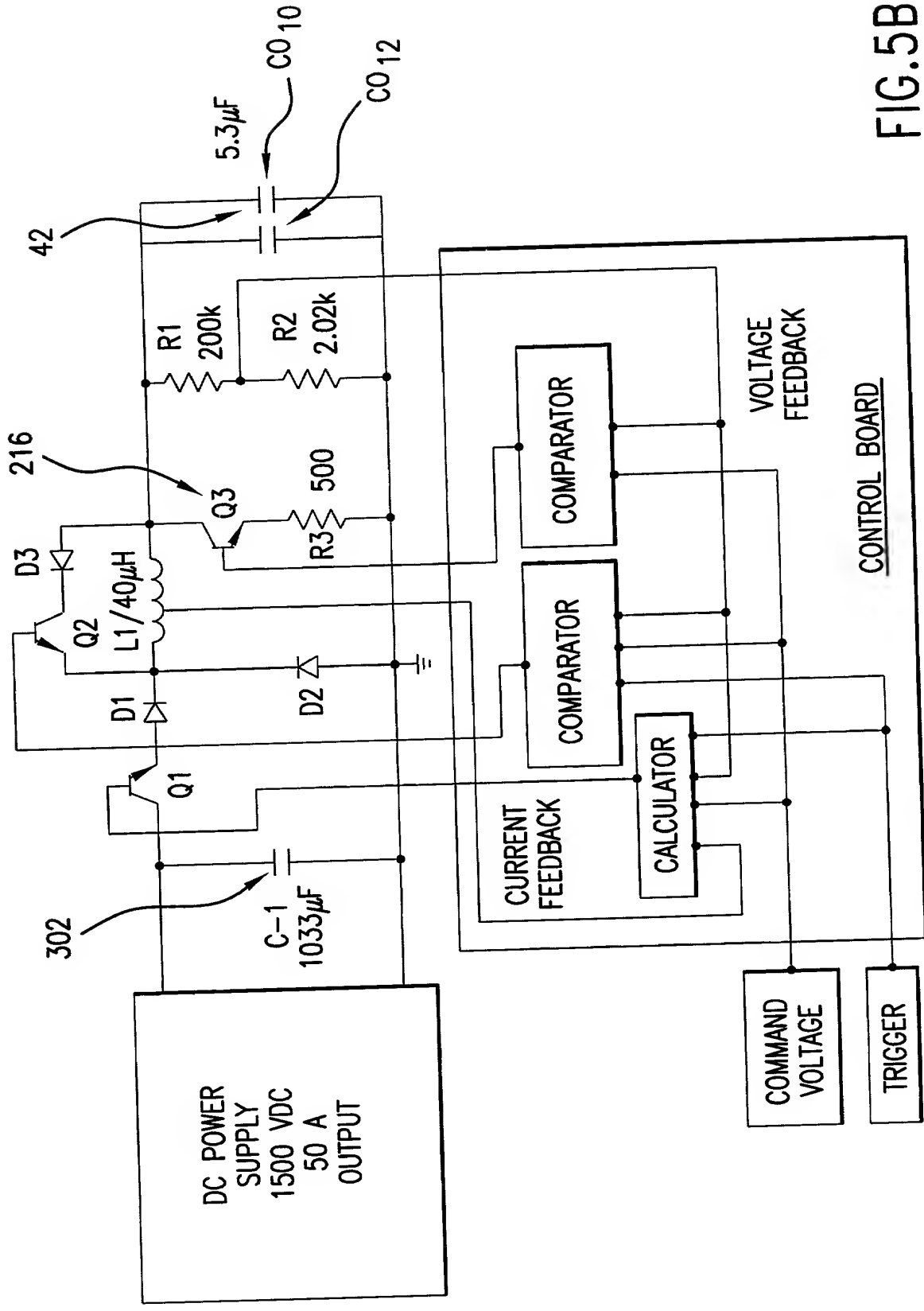


FIG.5B

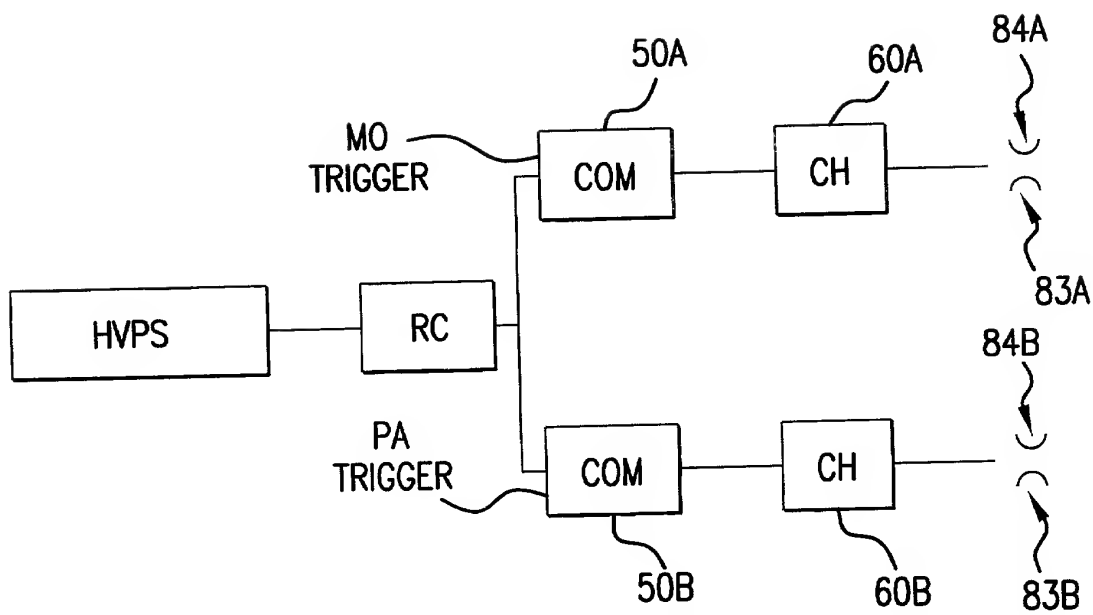


FIG.5C1

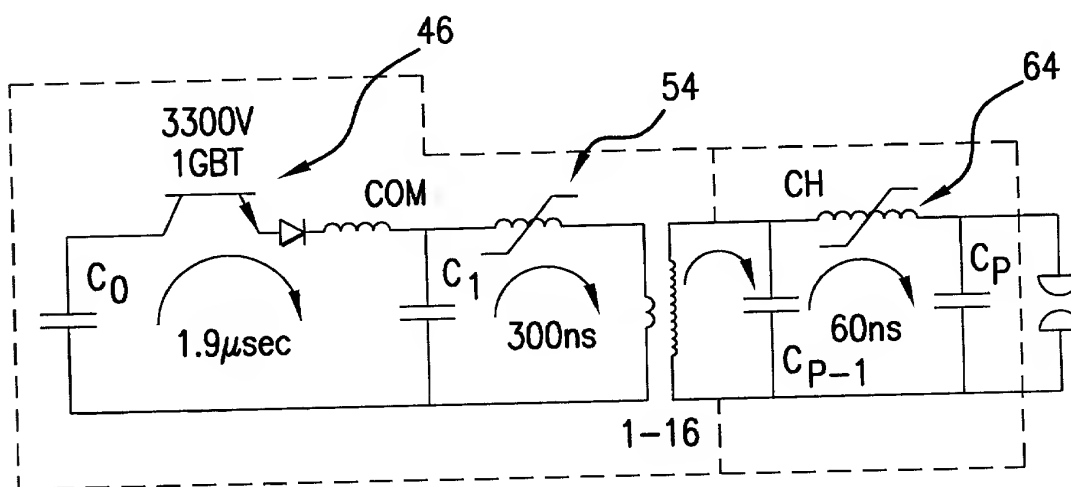


FIG.5C2

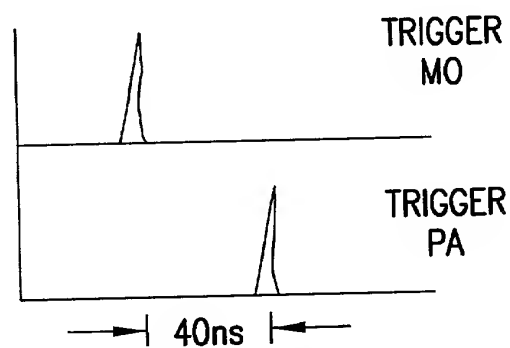


FIG.5C3

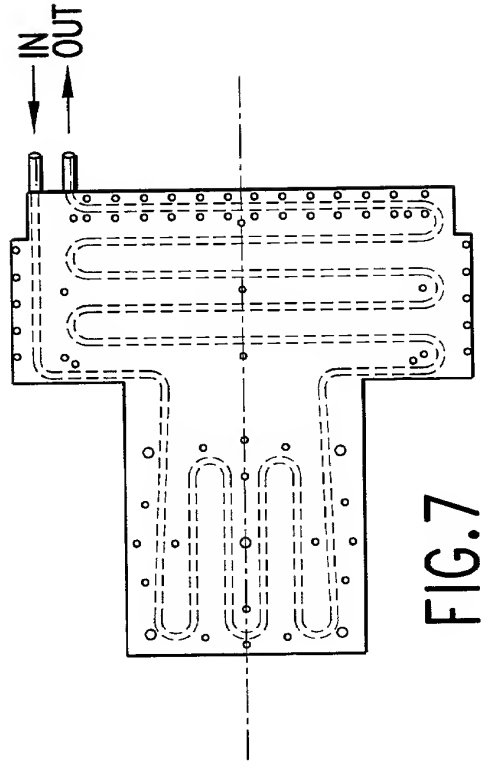


FIG. 7

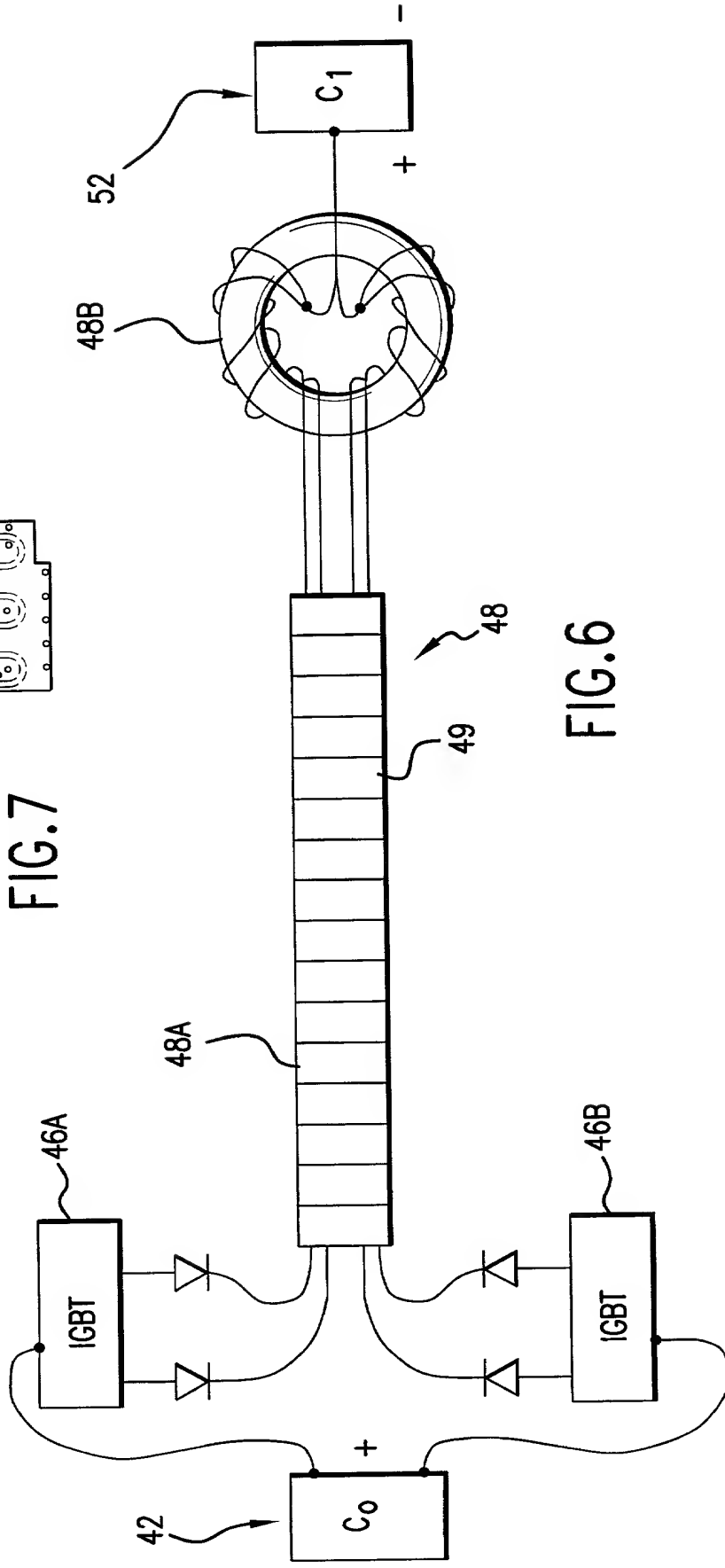


FIG. 6

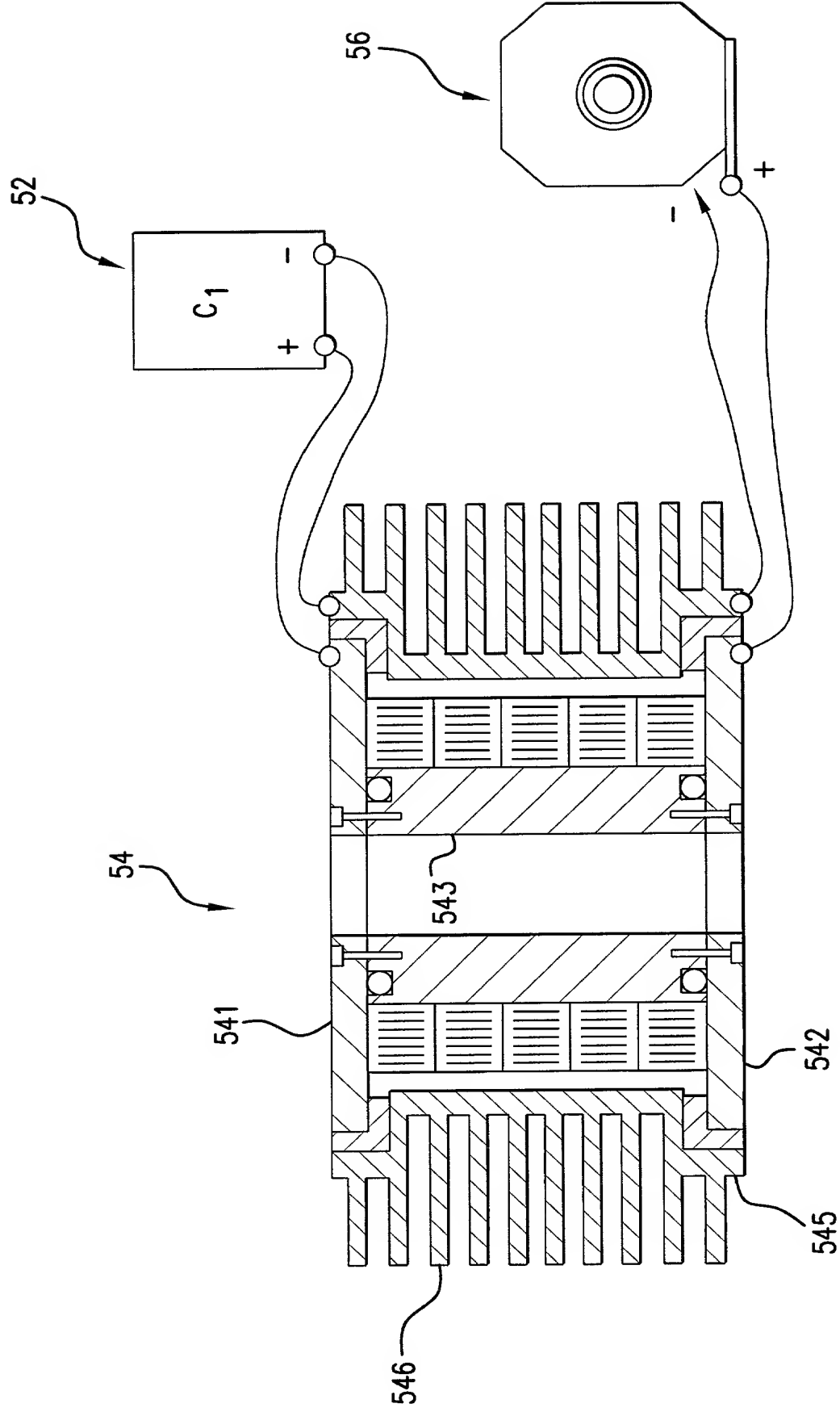


FIG.8

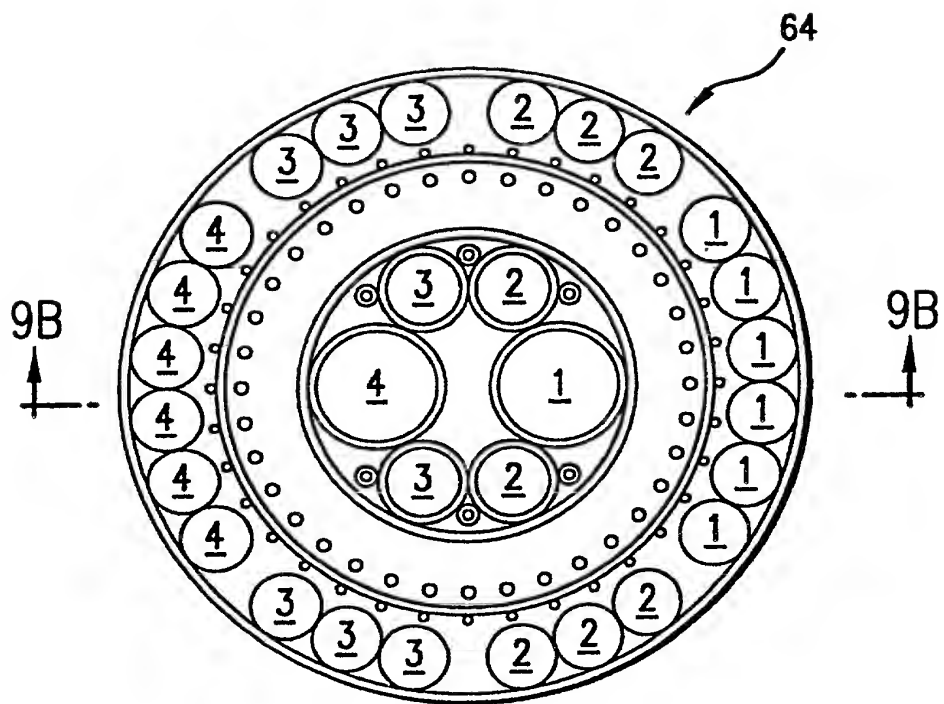


FIG. 9A

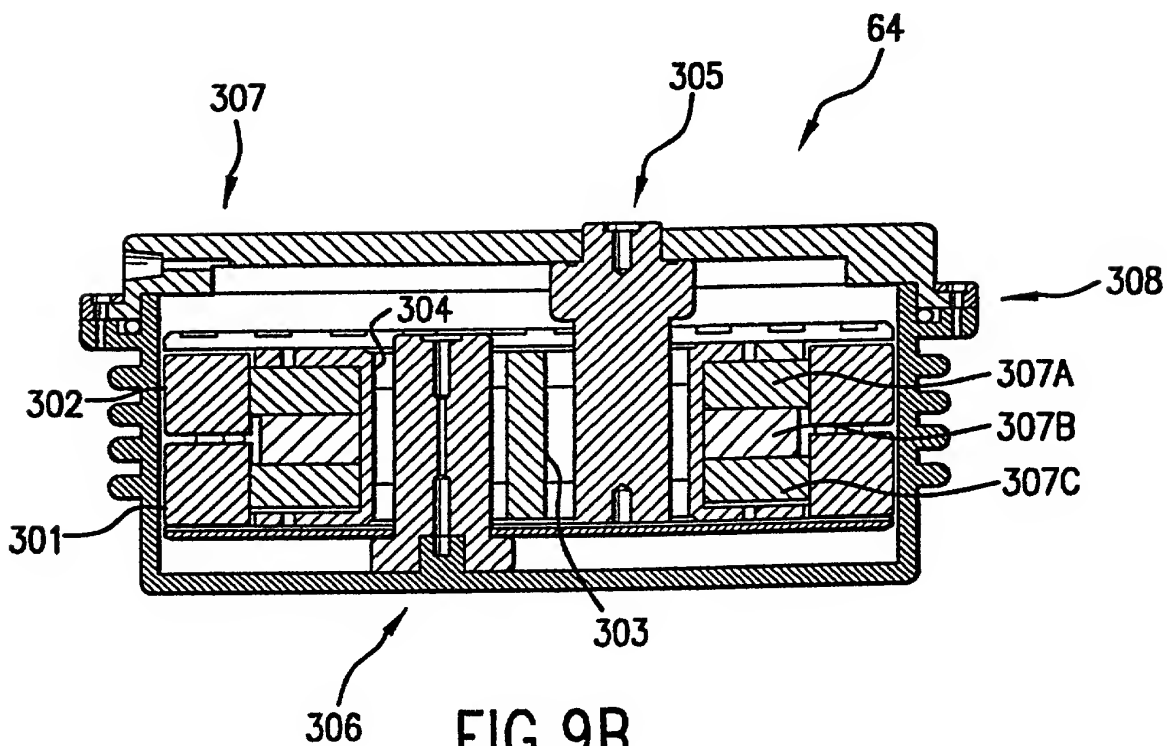


FIG. 9B

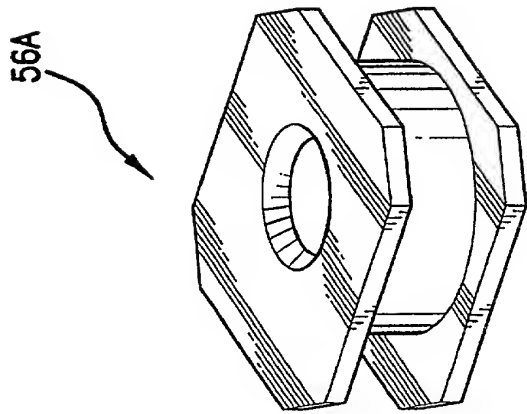
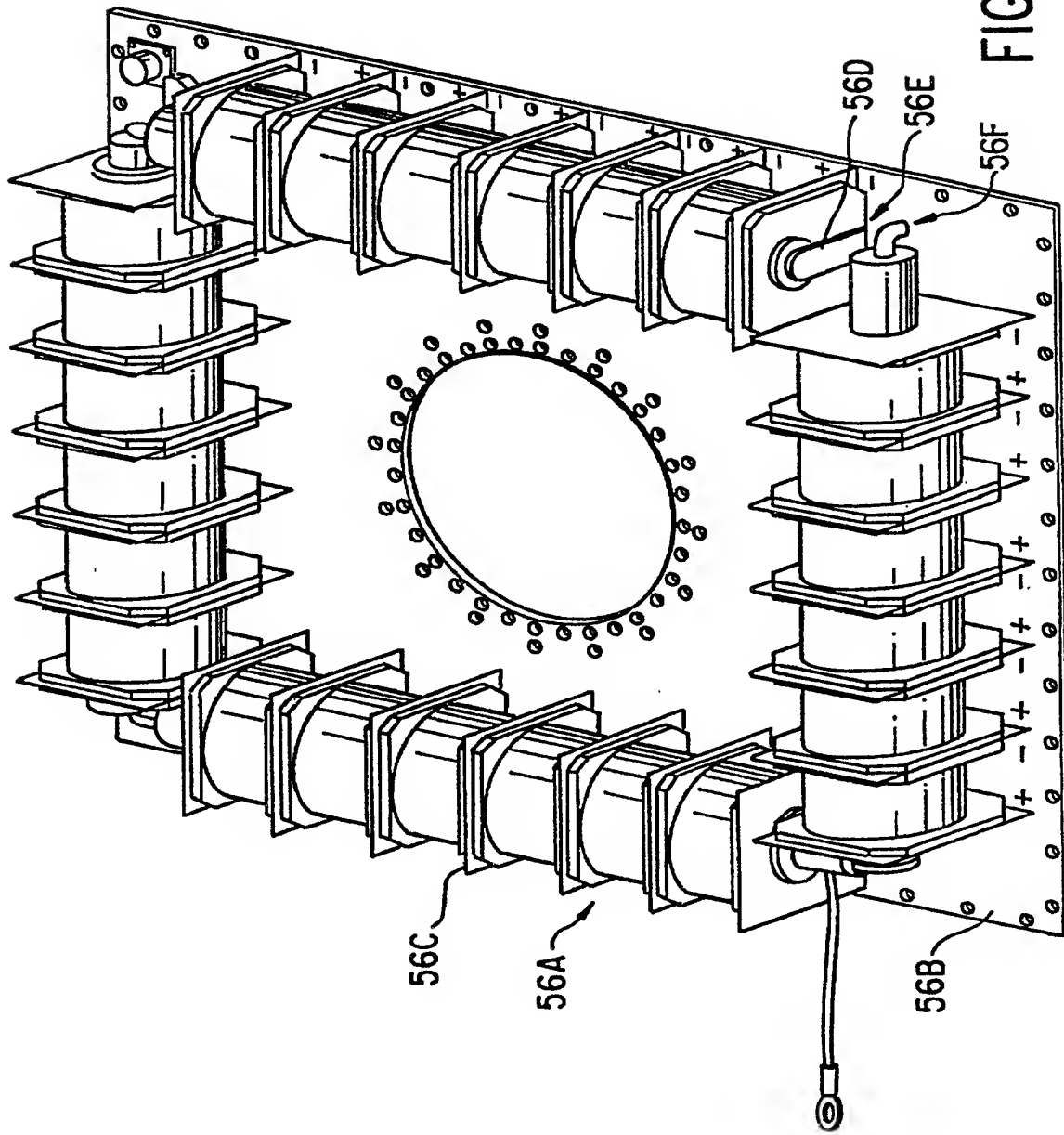


FIG. 10A

FIG. 10

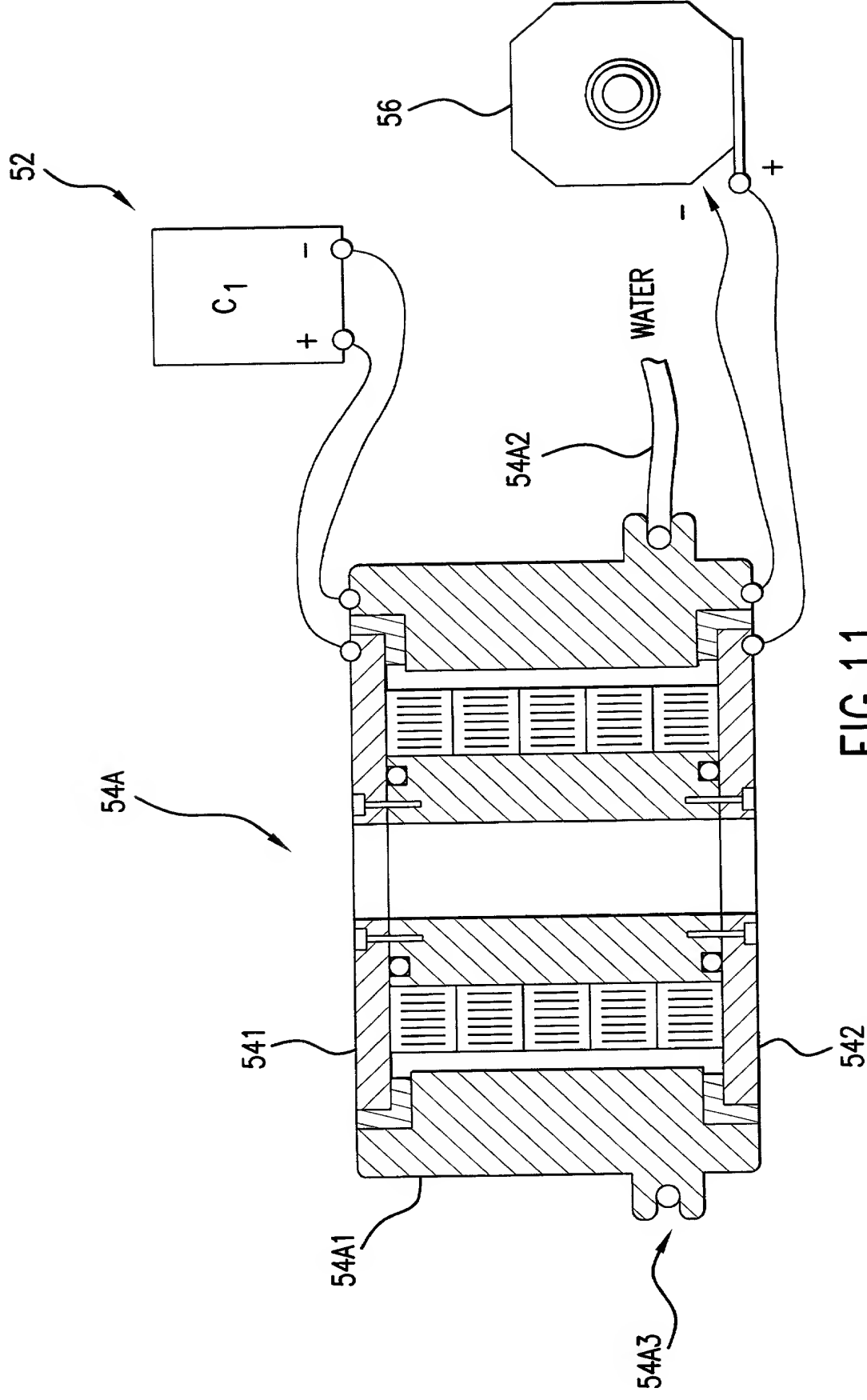
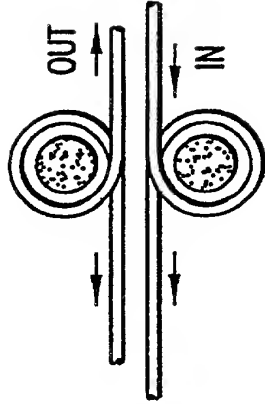
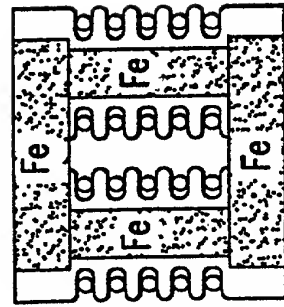
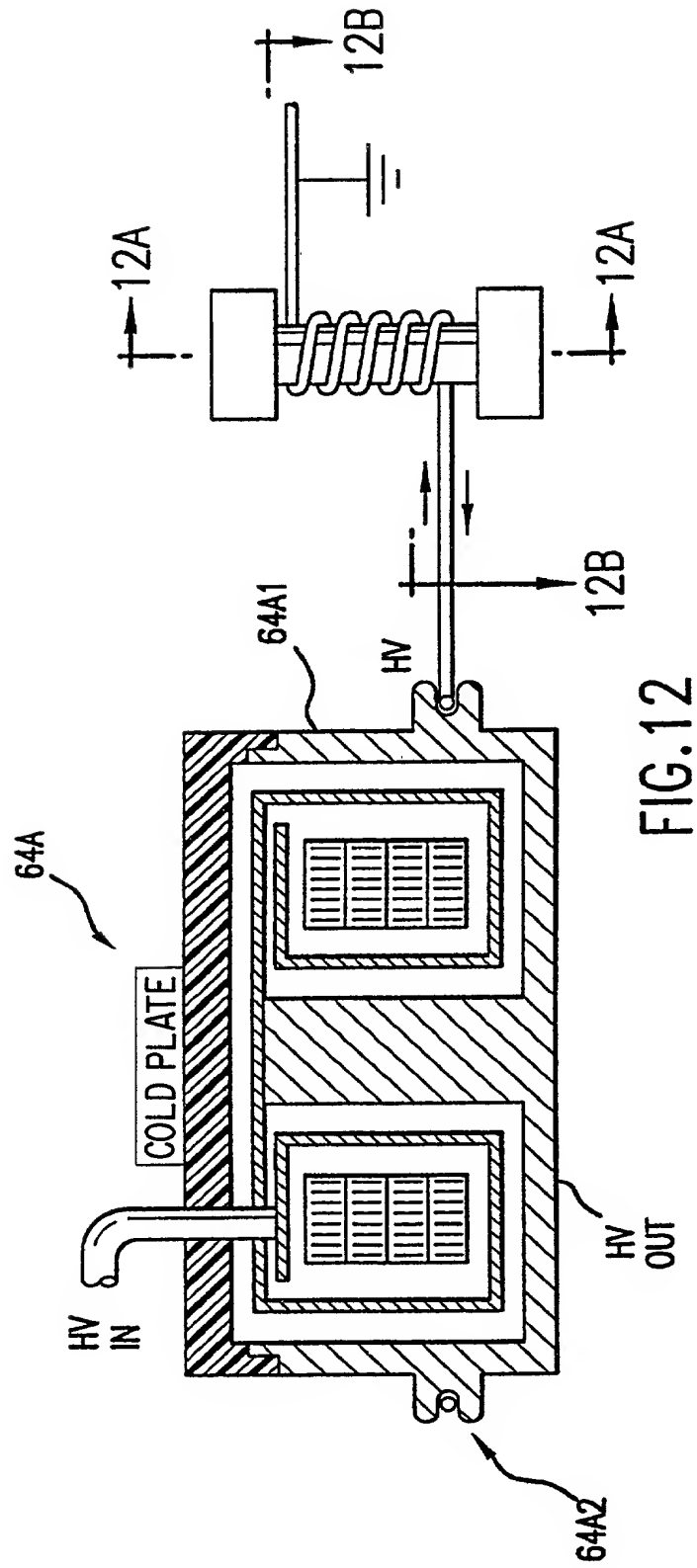


FIG.11



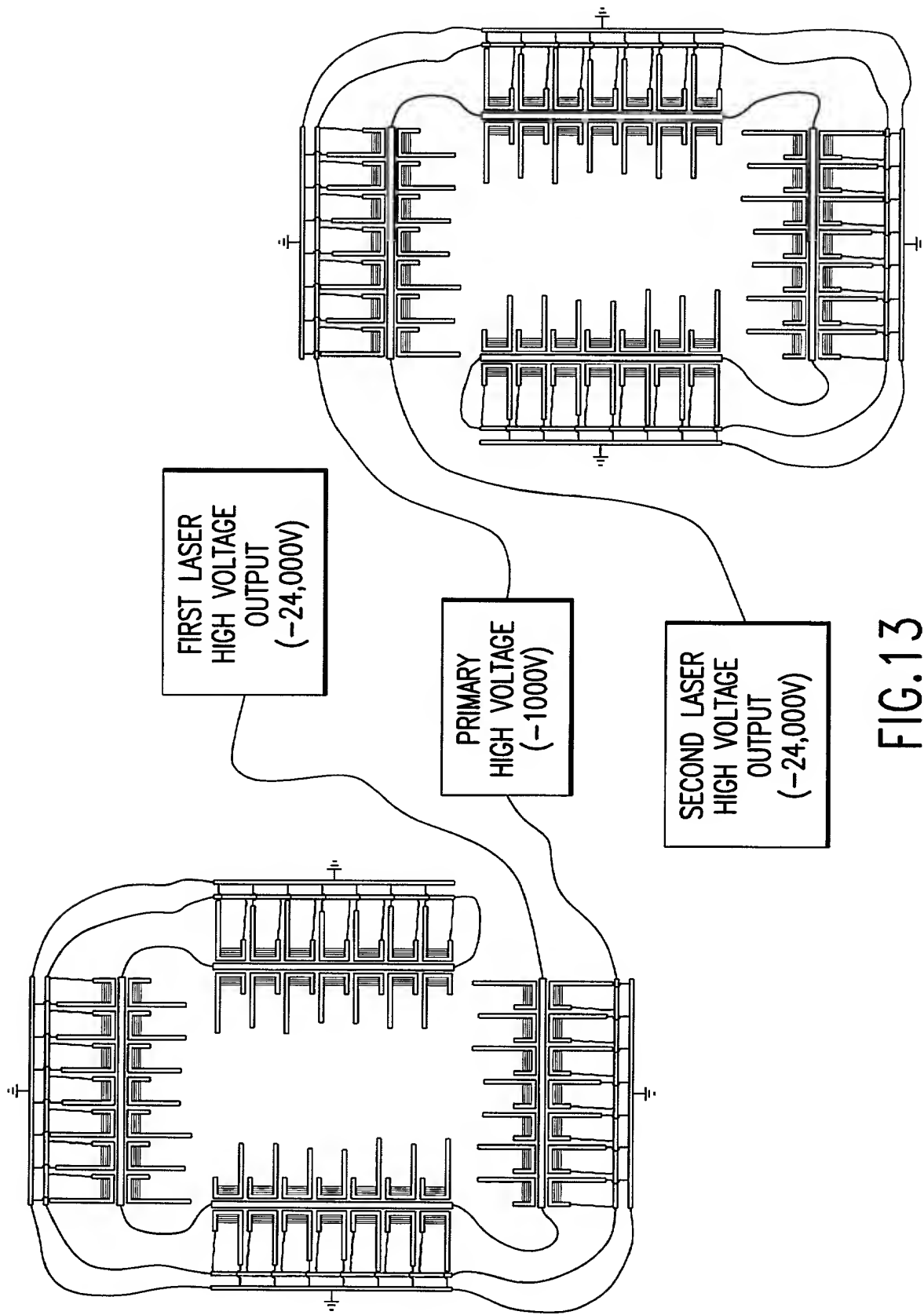


FIG.13

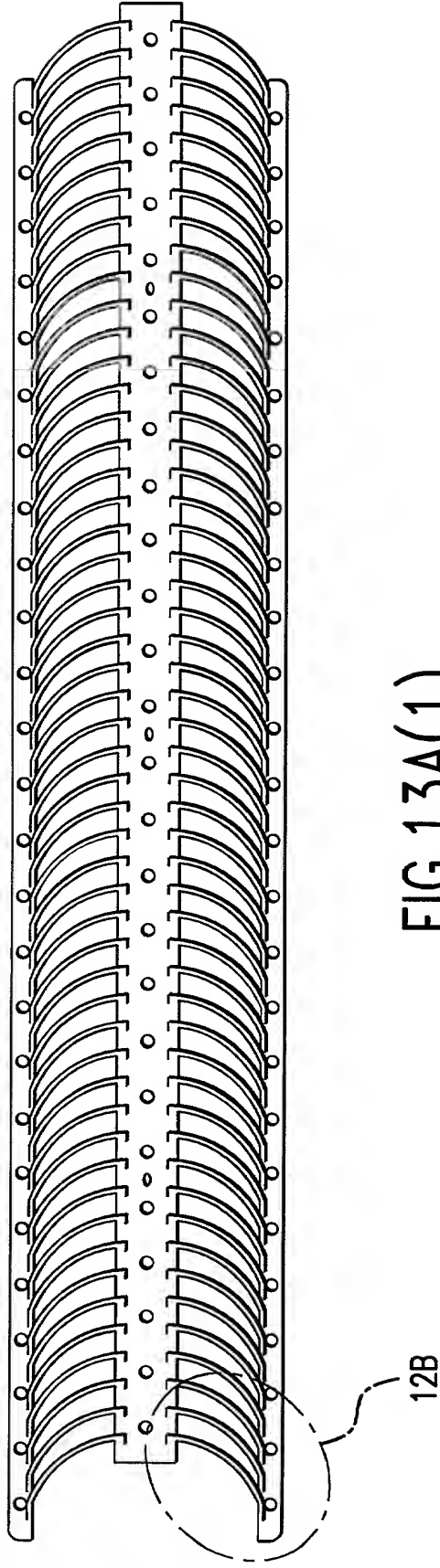


FIG. 13A(1)

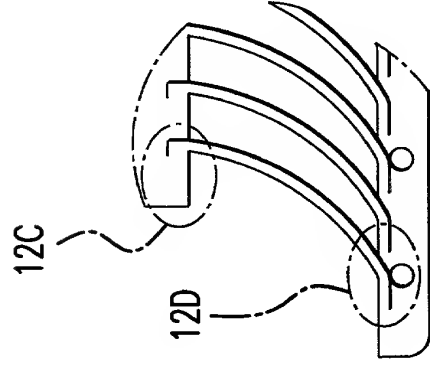


FIG. 13A(2)

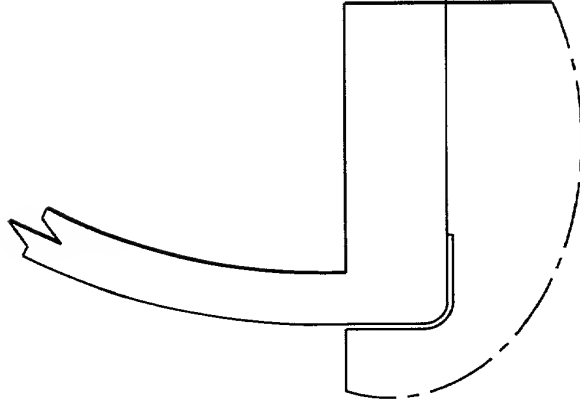


FIG. 13A(3)

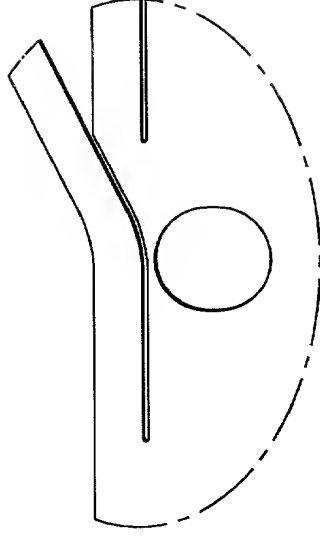


FIG. 13A(4)

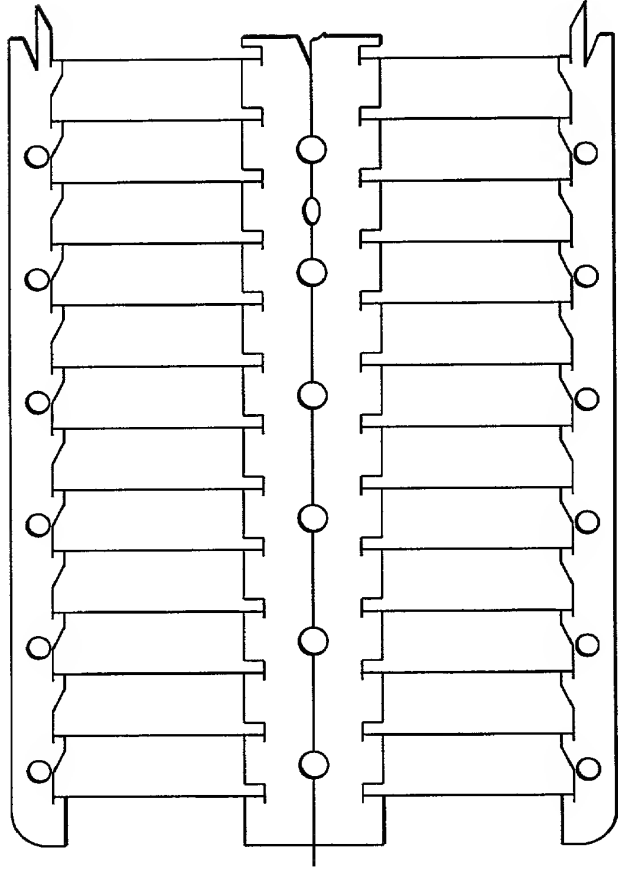


FIG. 13A(5)

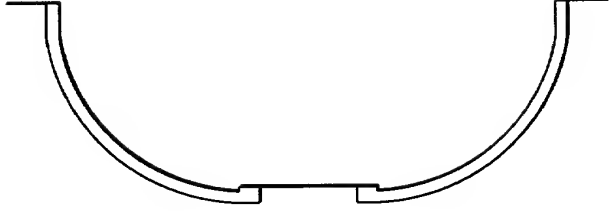


FIG. 13A(6)

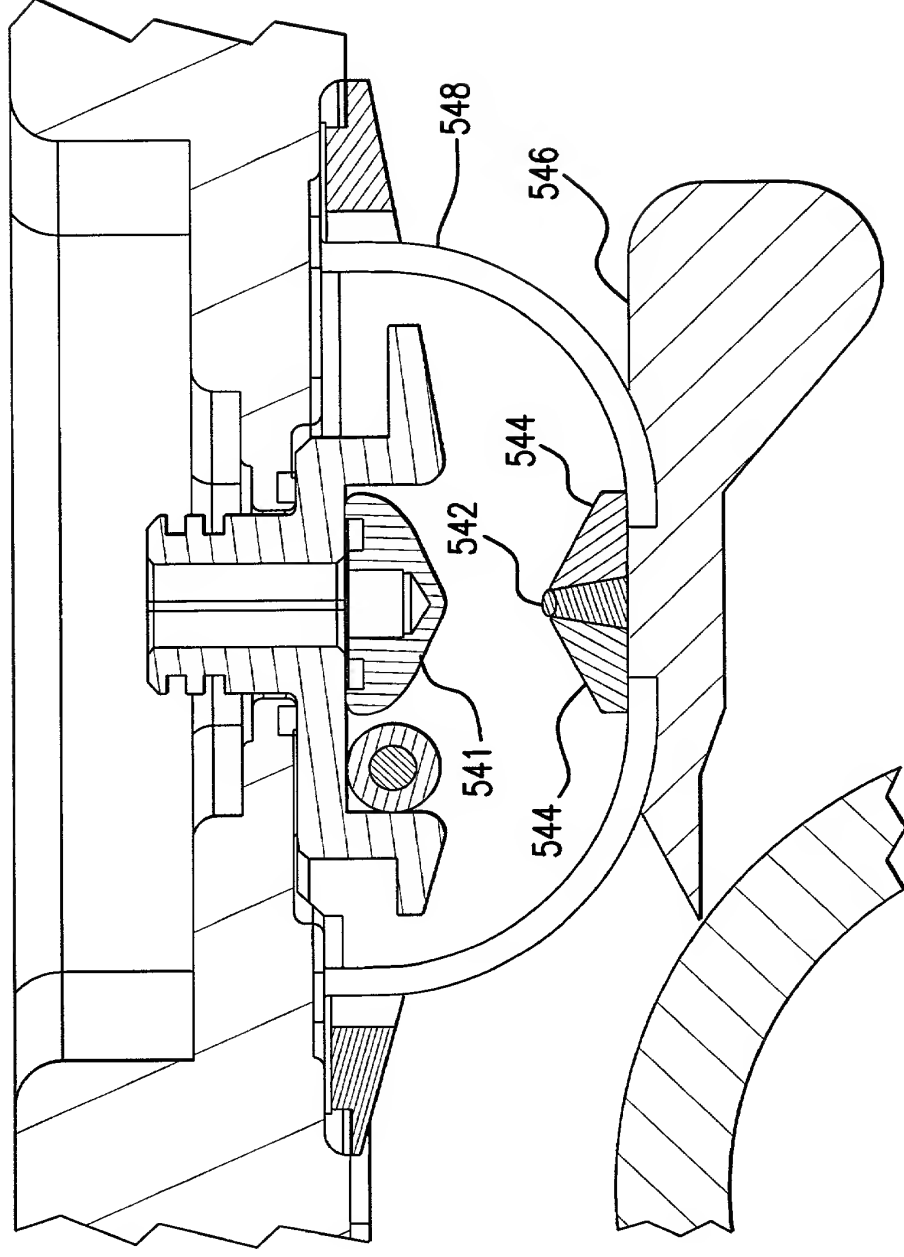


FIG. 14

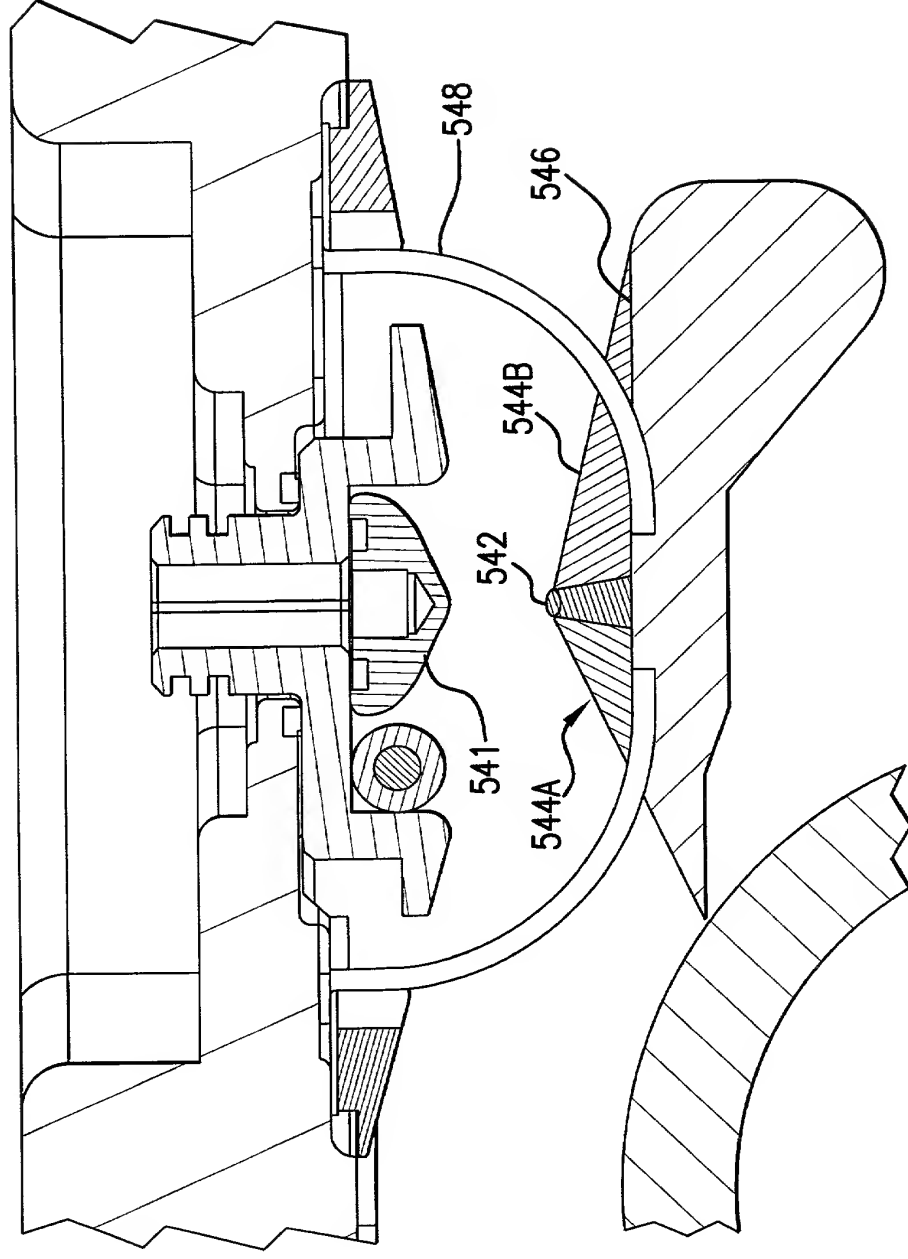
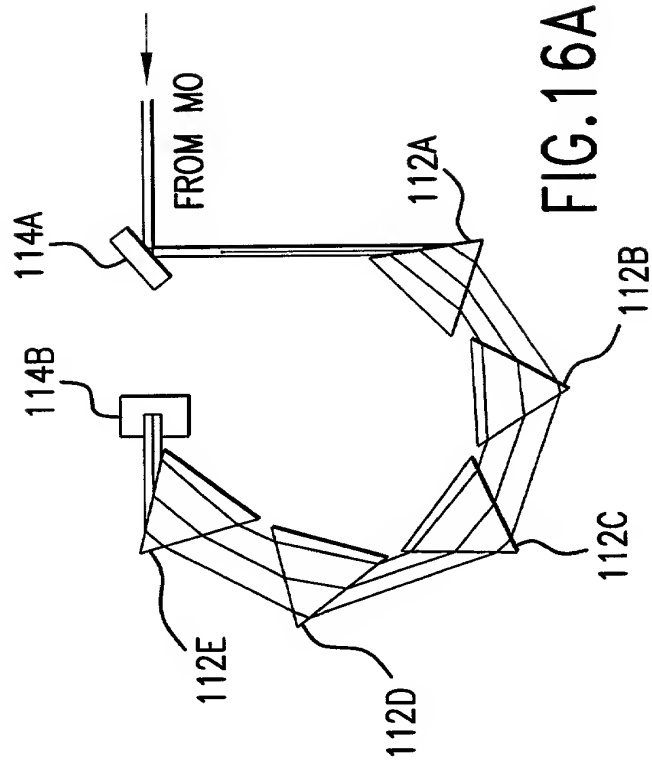
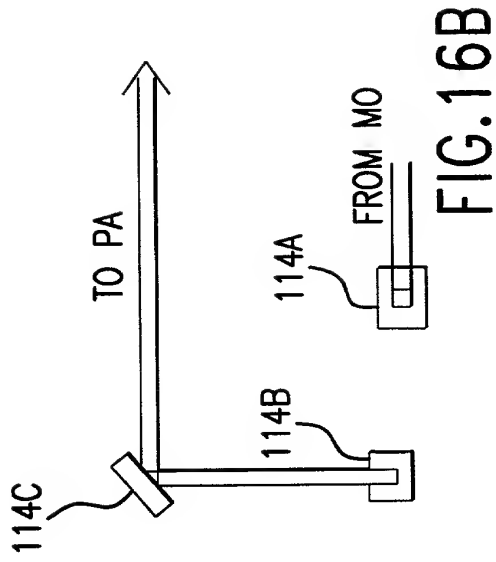
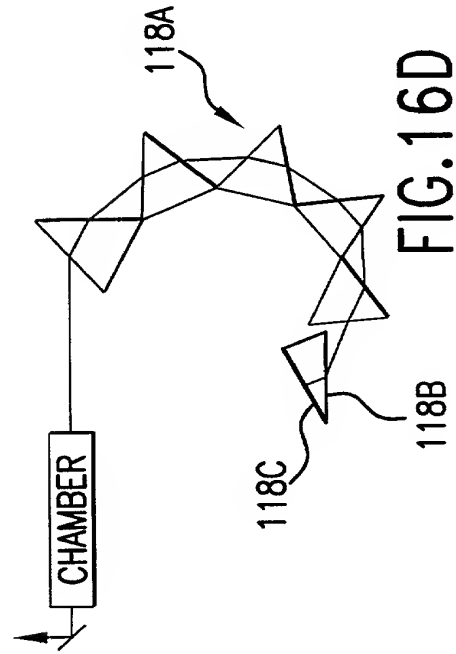
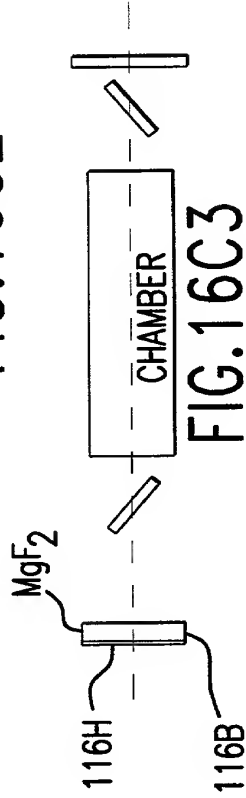
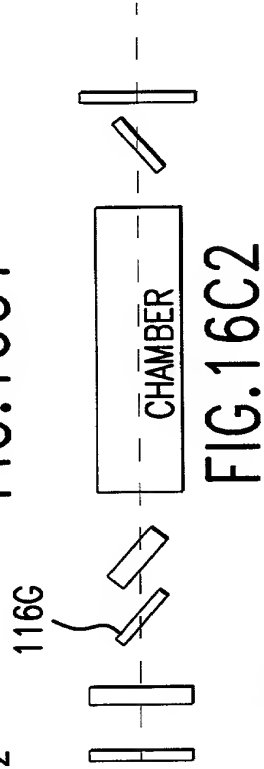
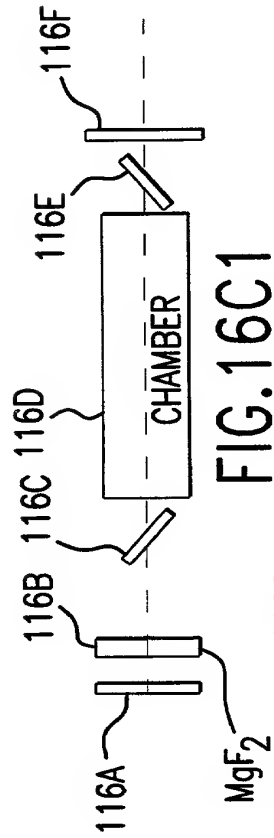


FIG. 15



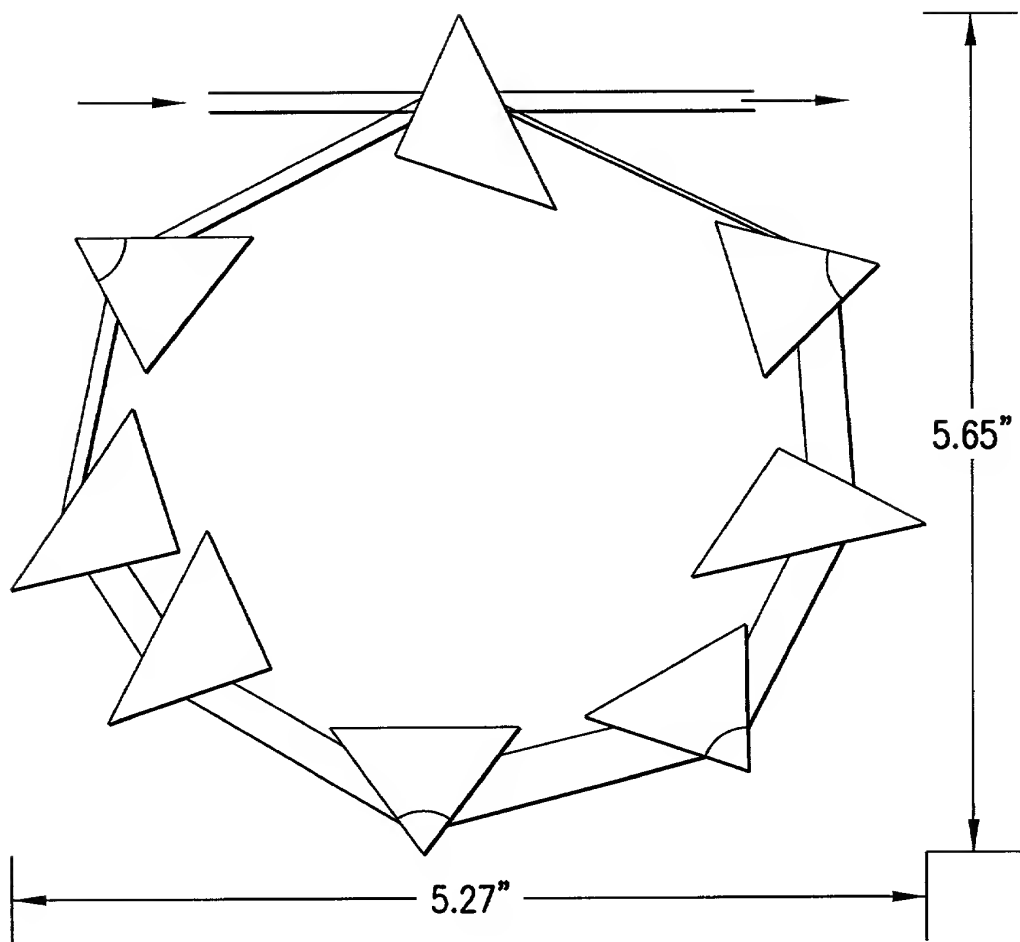


FIG.16E

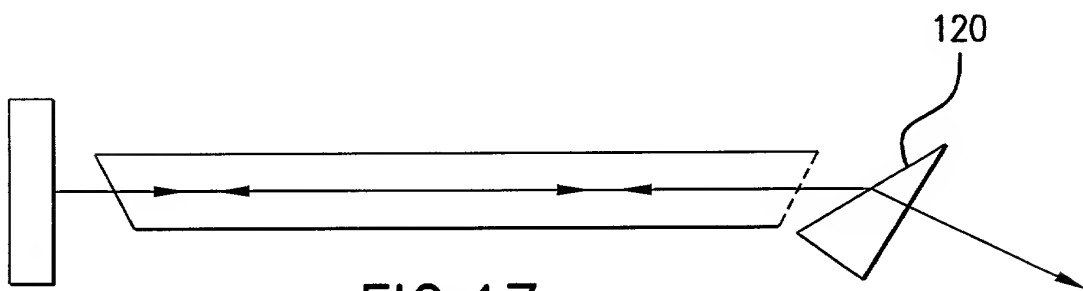


FIG.17

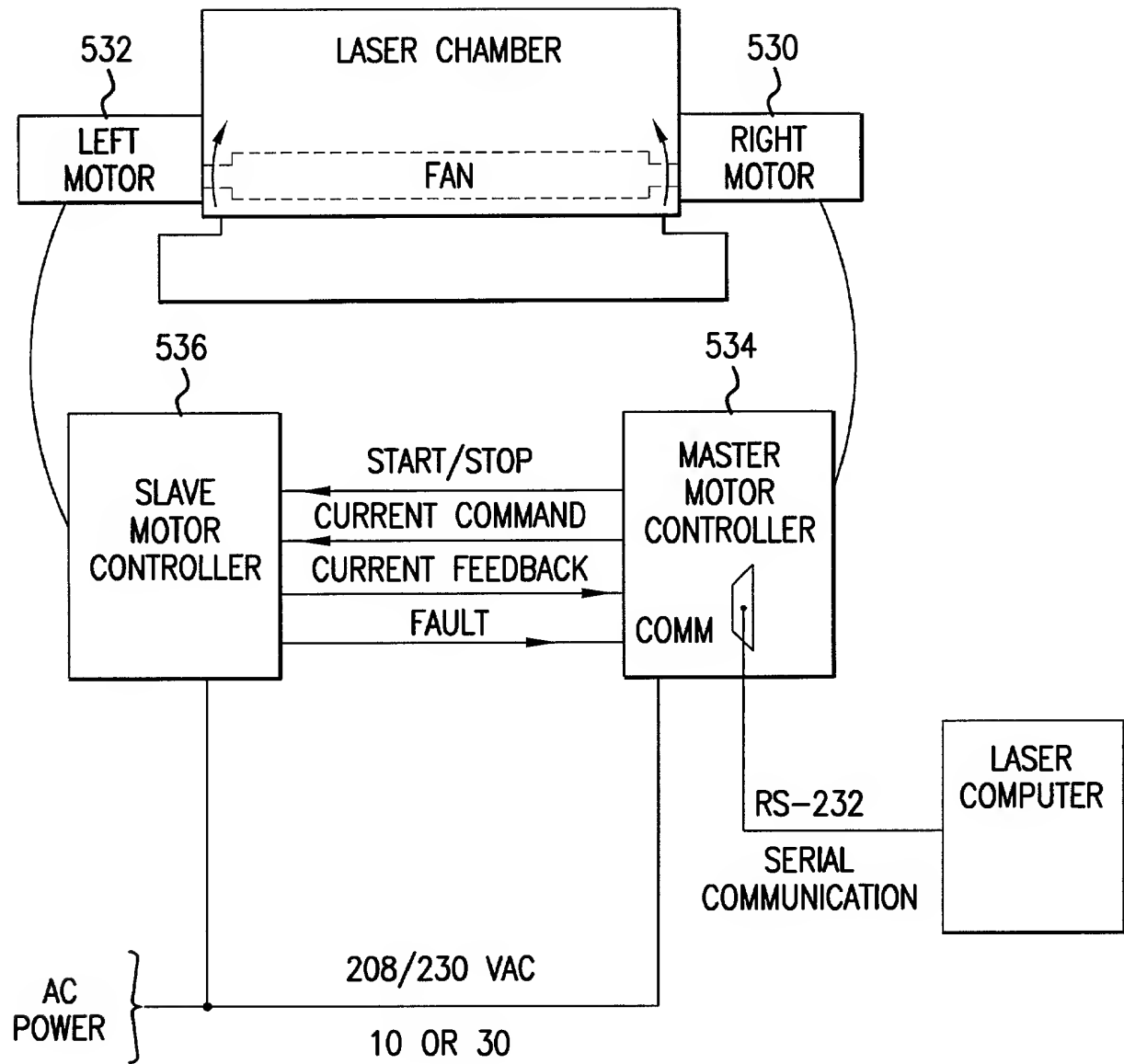


FIG. 18

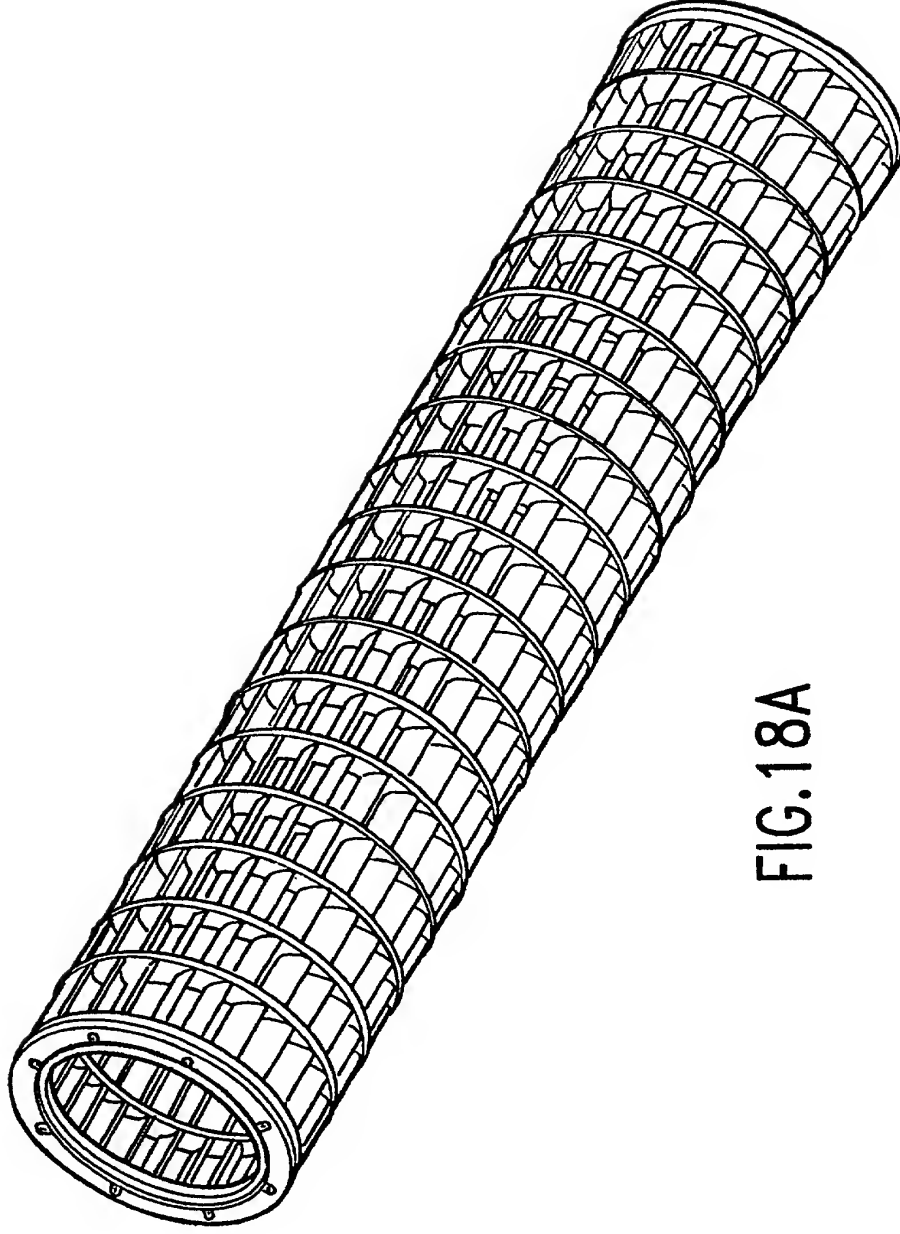


FIG.18A

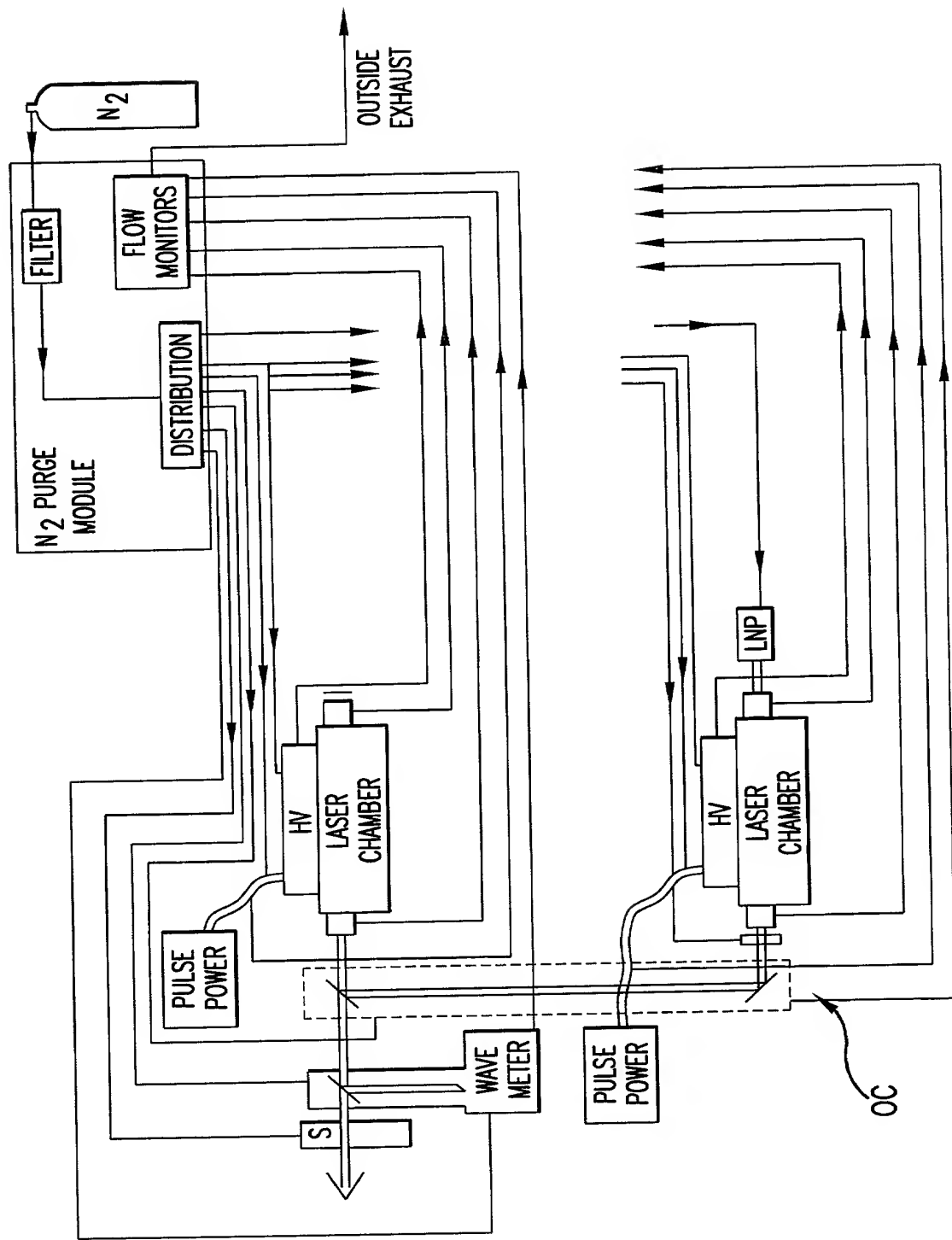
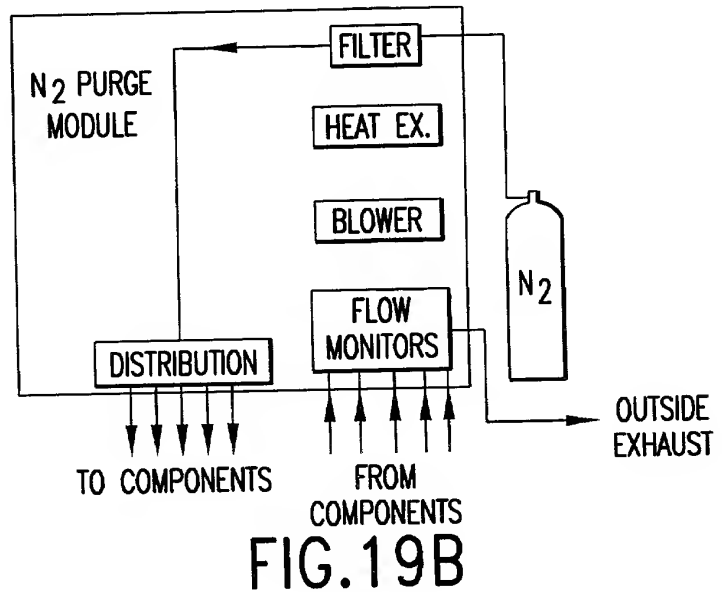
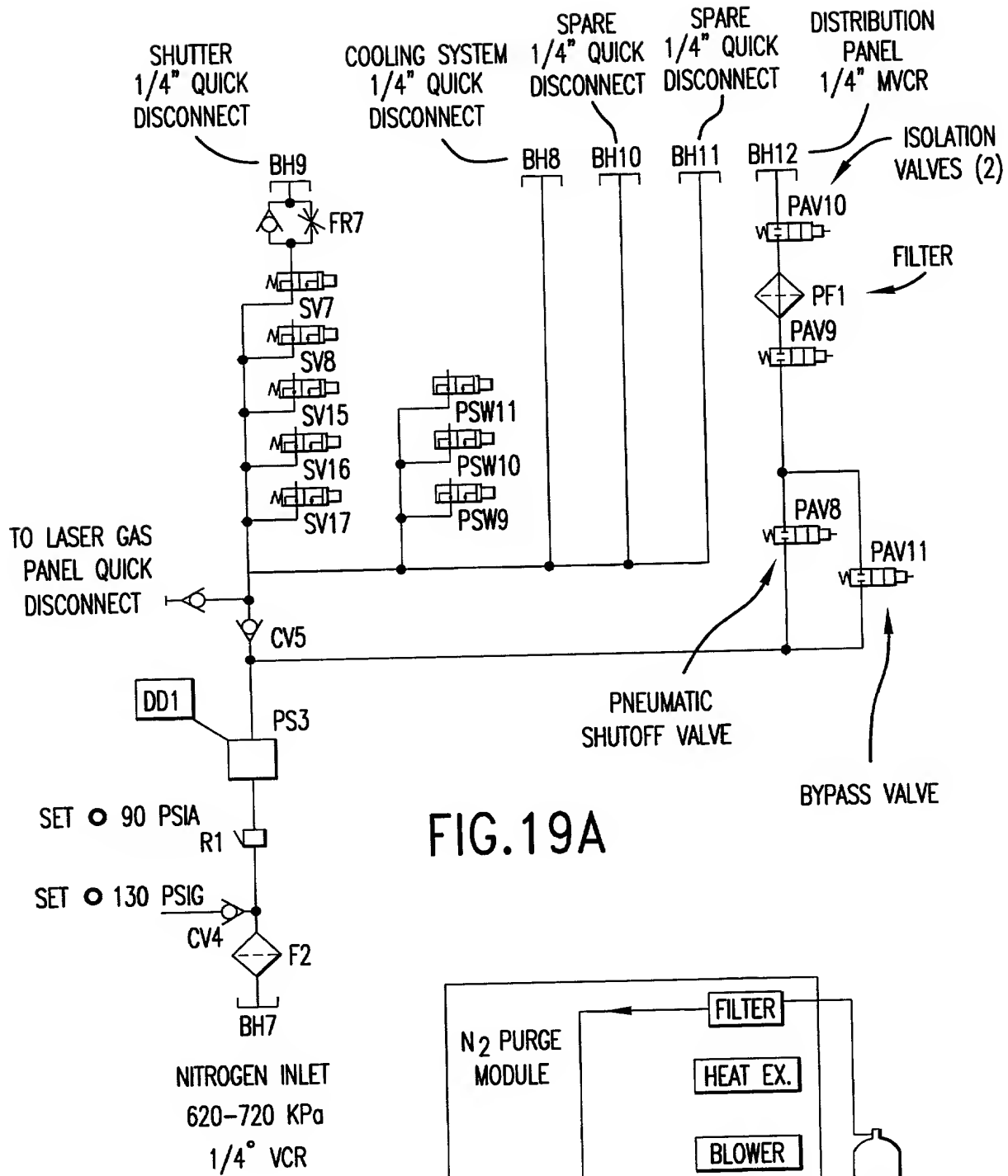


FIG.19



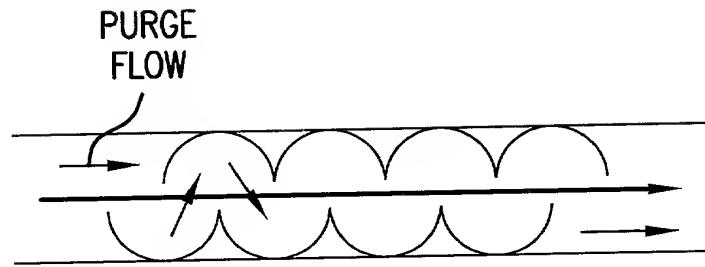


FIG.19C1

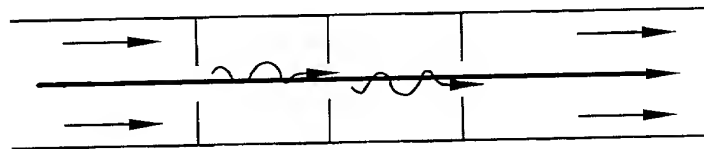


FIG.19C2

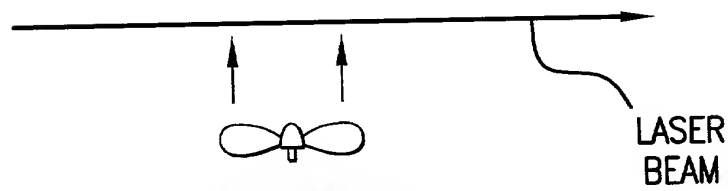


FIG.19C3

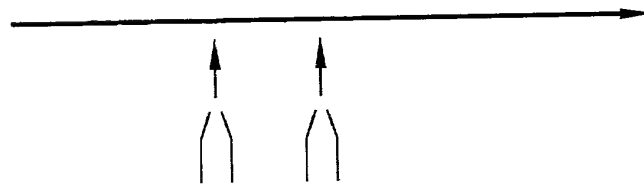
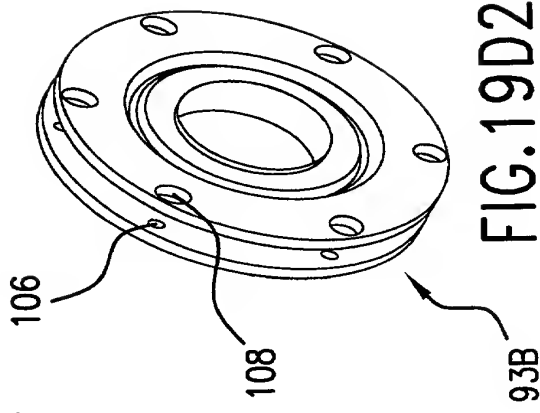
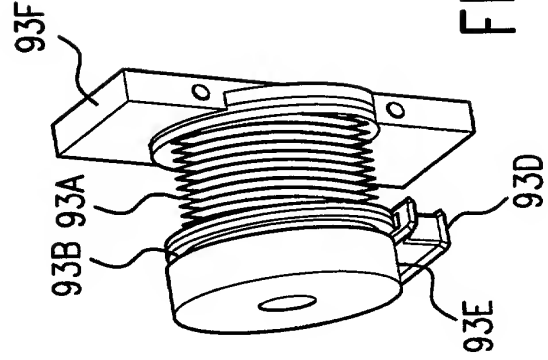
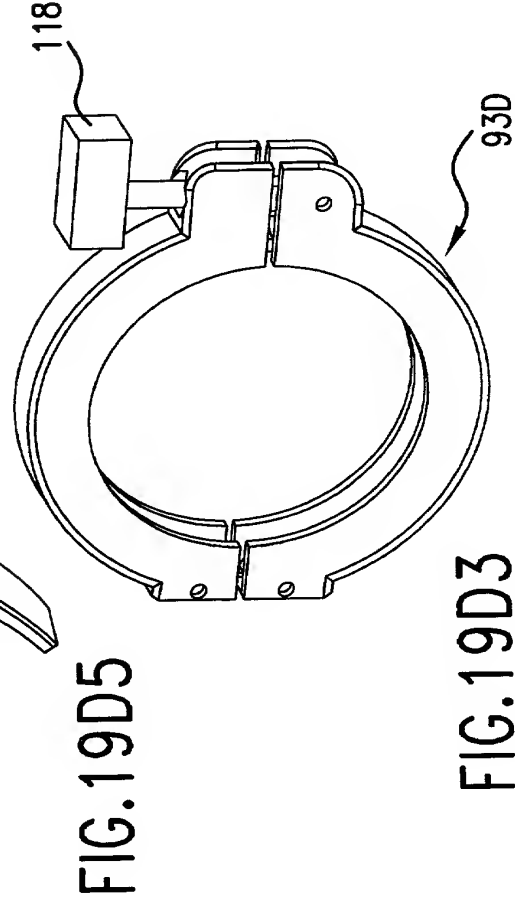
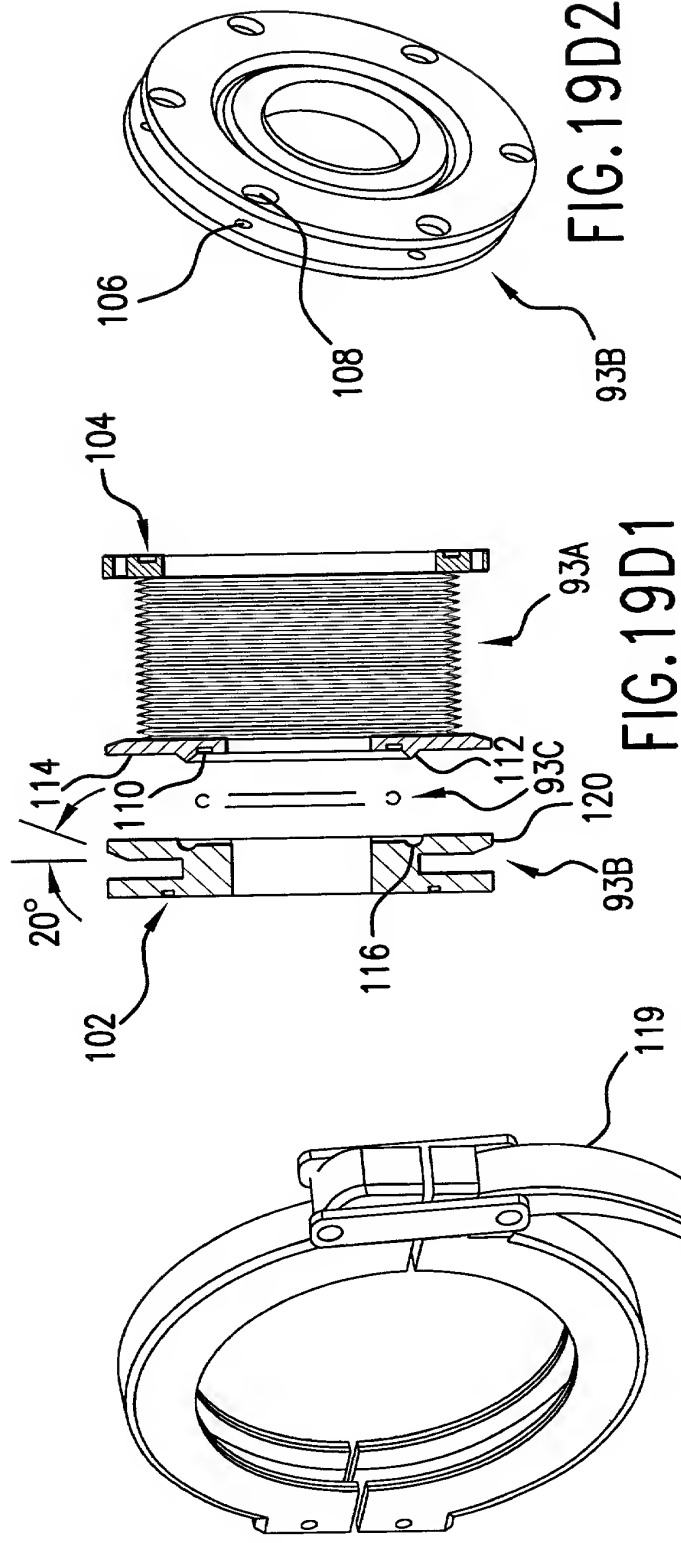
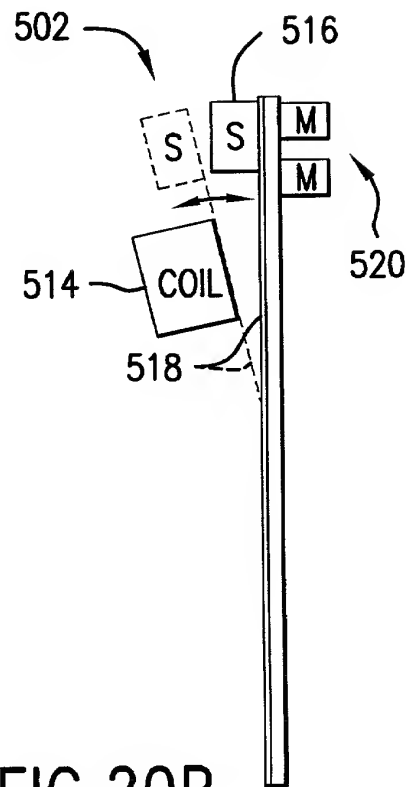
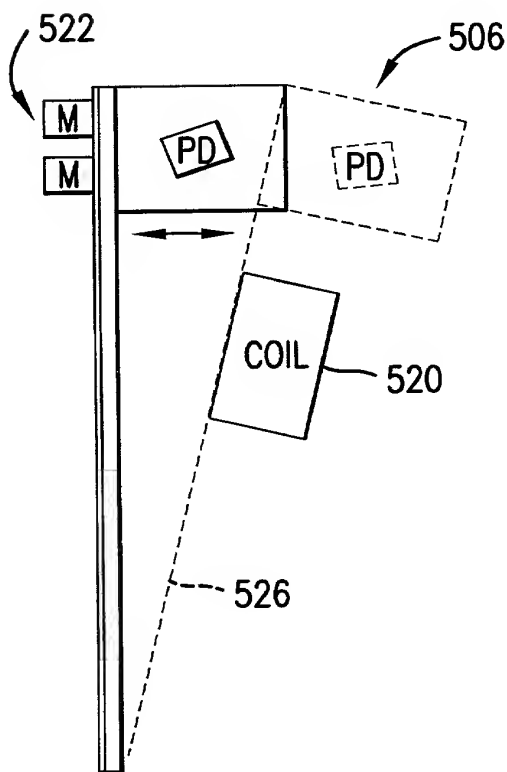
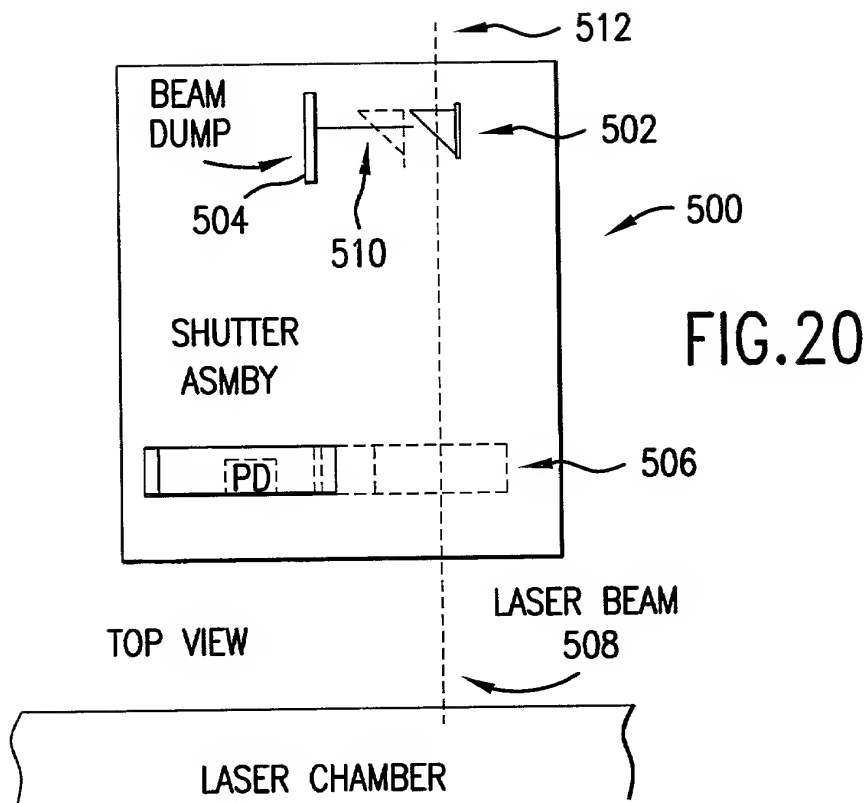


FIG.19C4





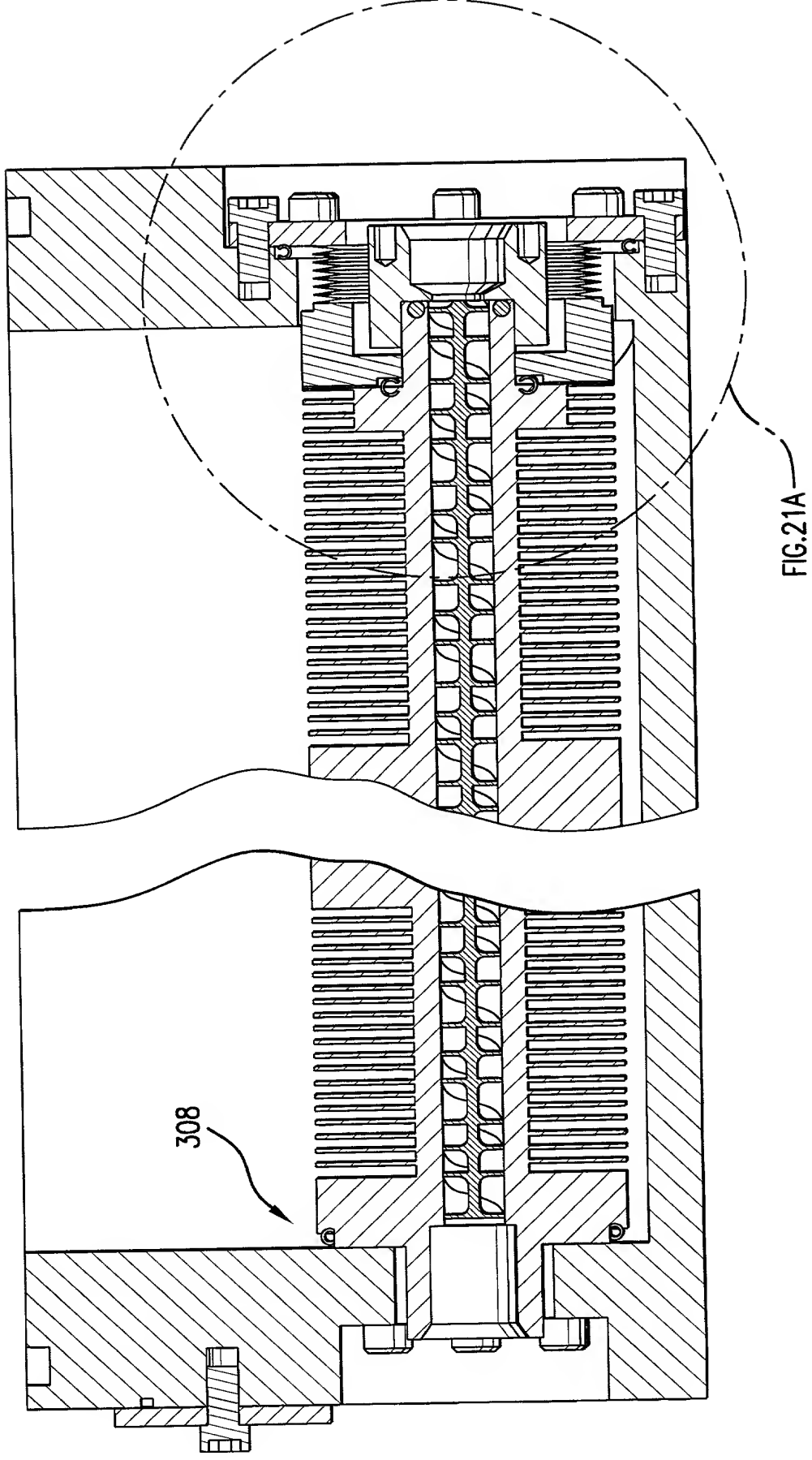


FIG.21

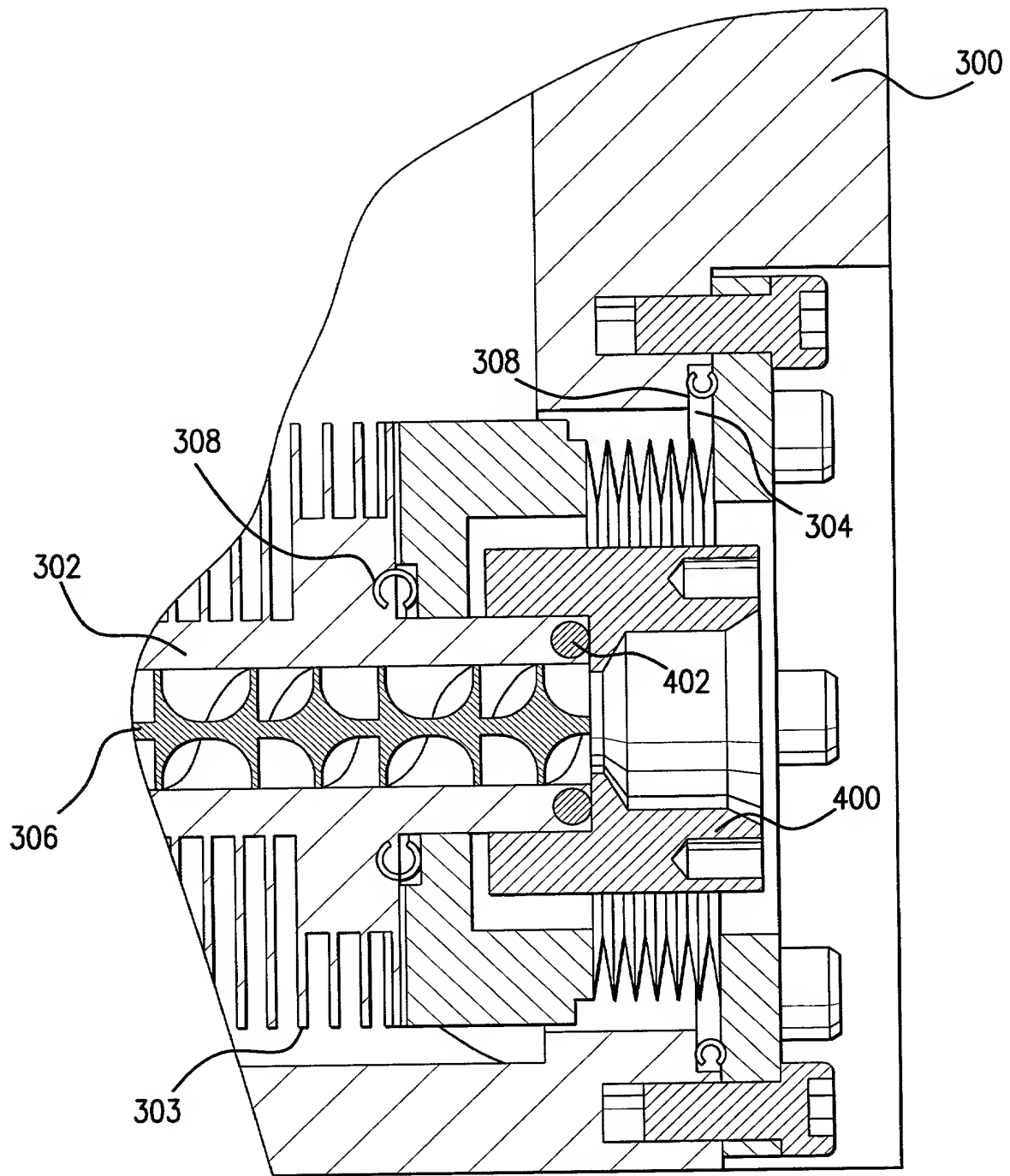
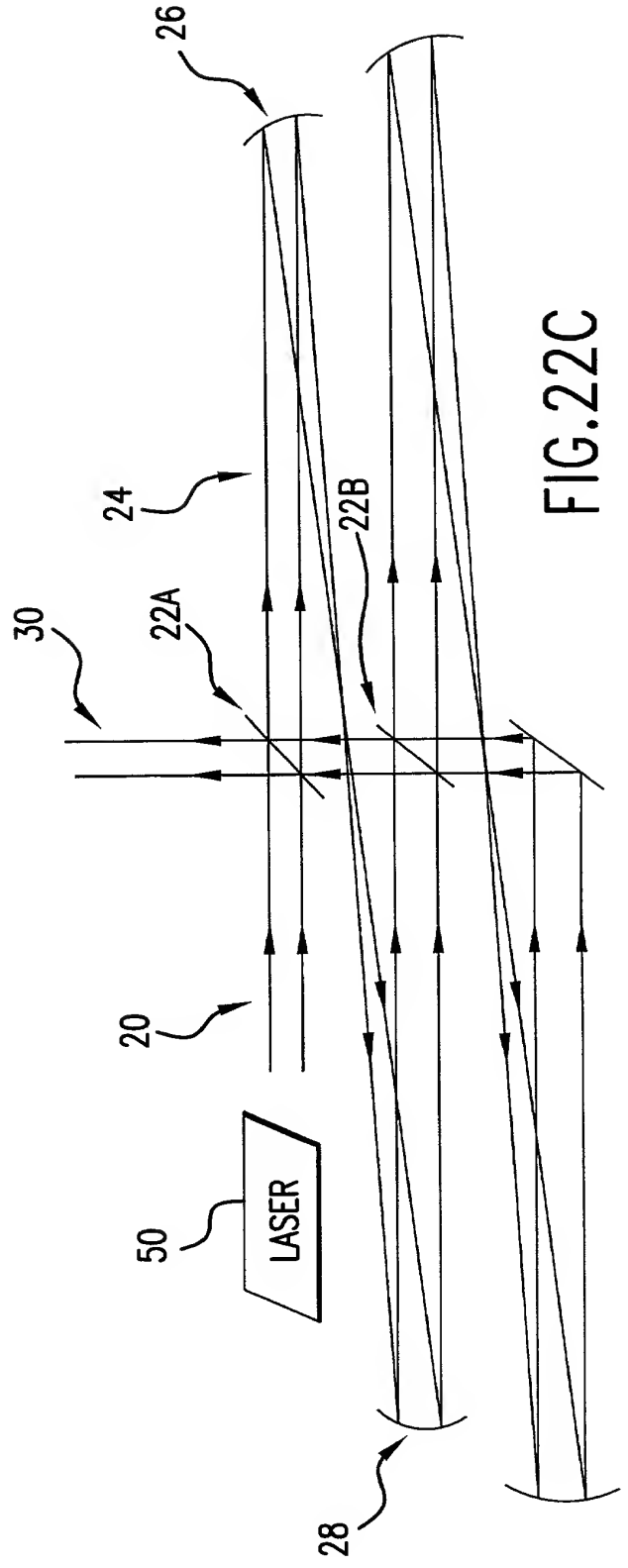
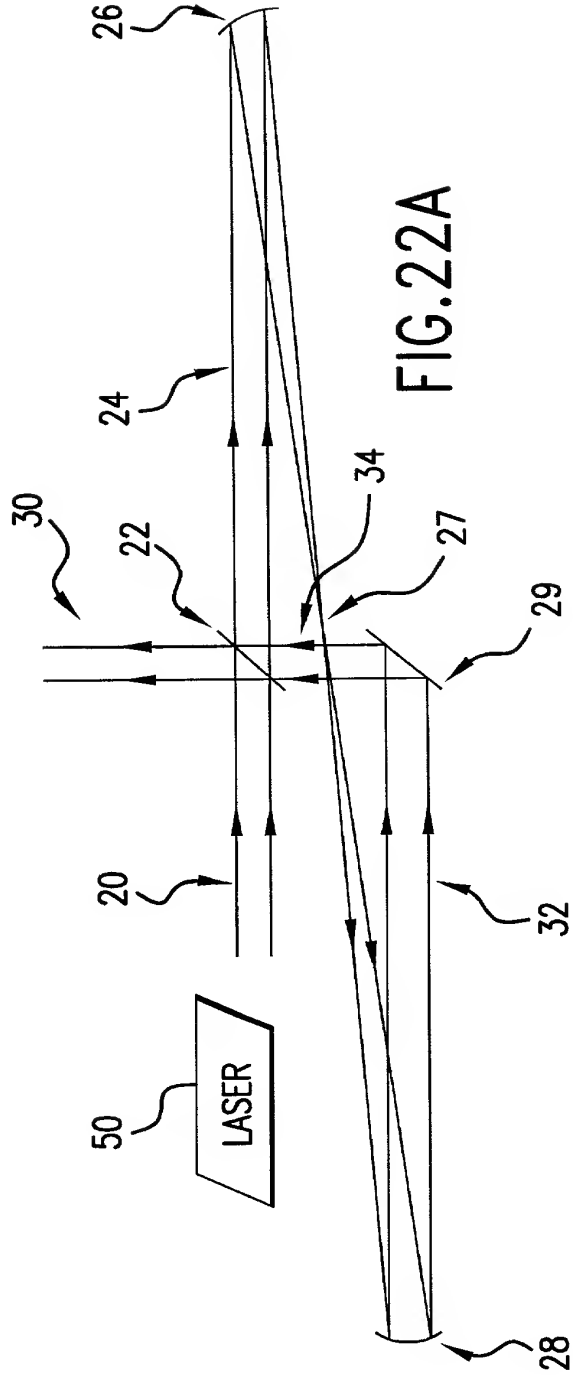


FIG.21A



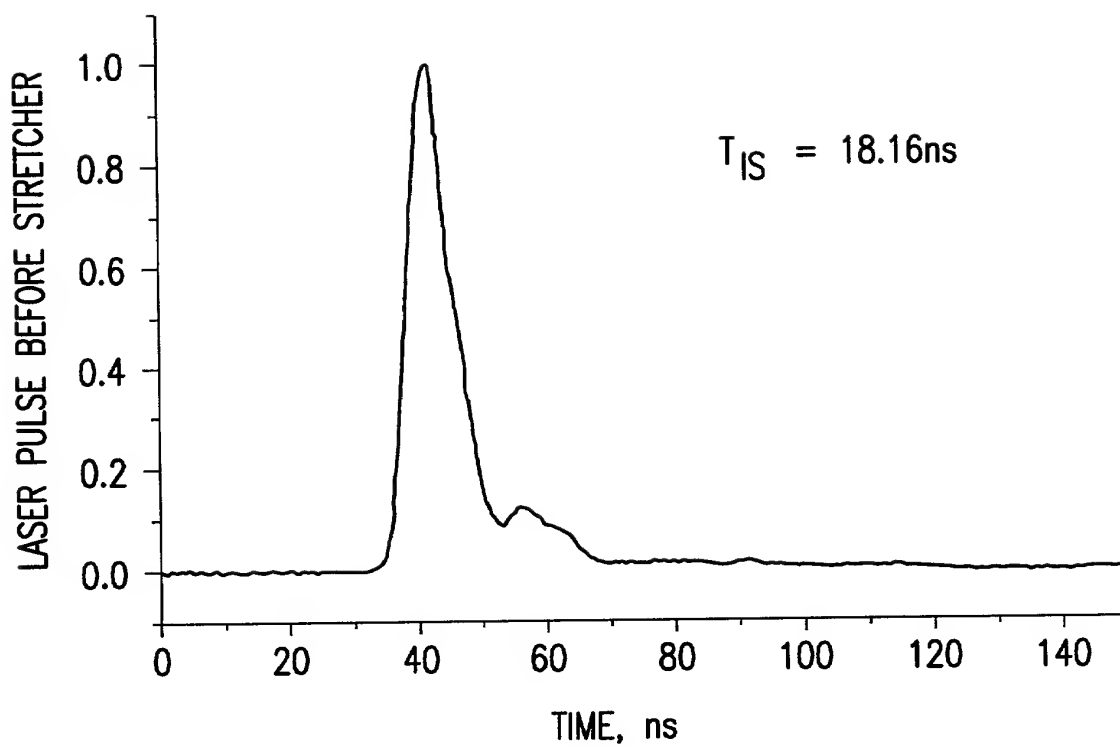


FIG.22B1

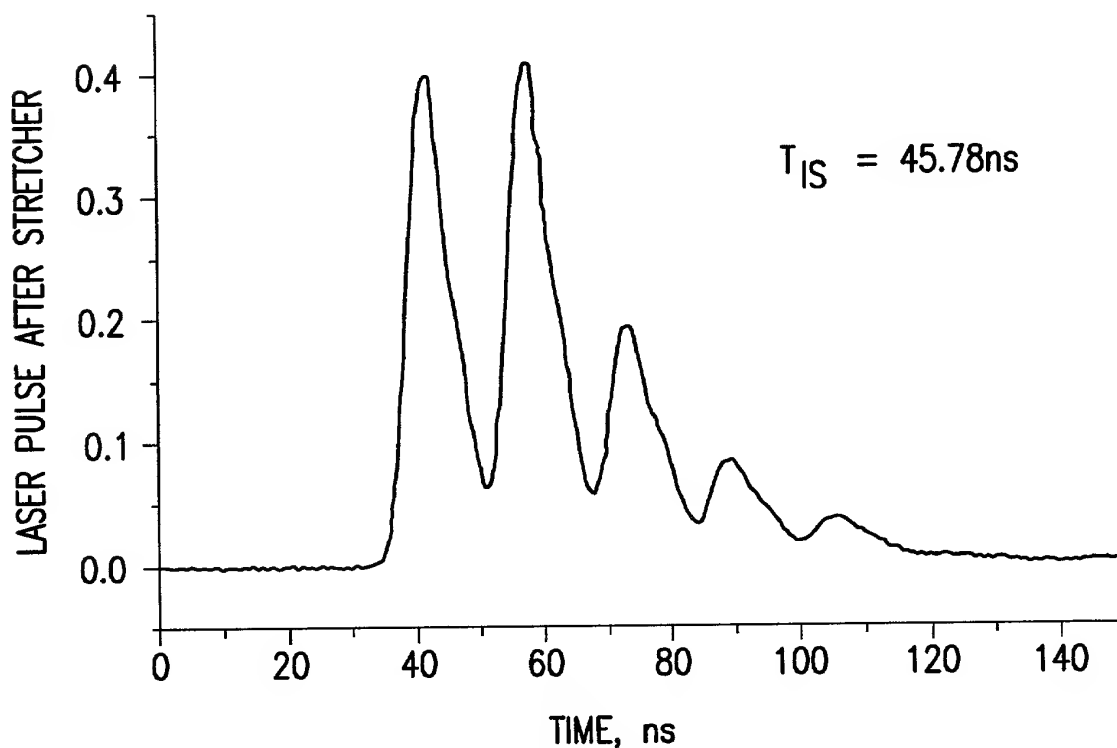


FIG.22B2

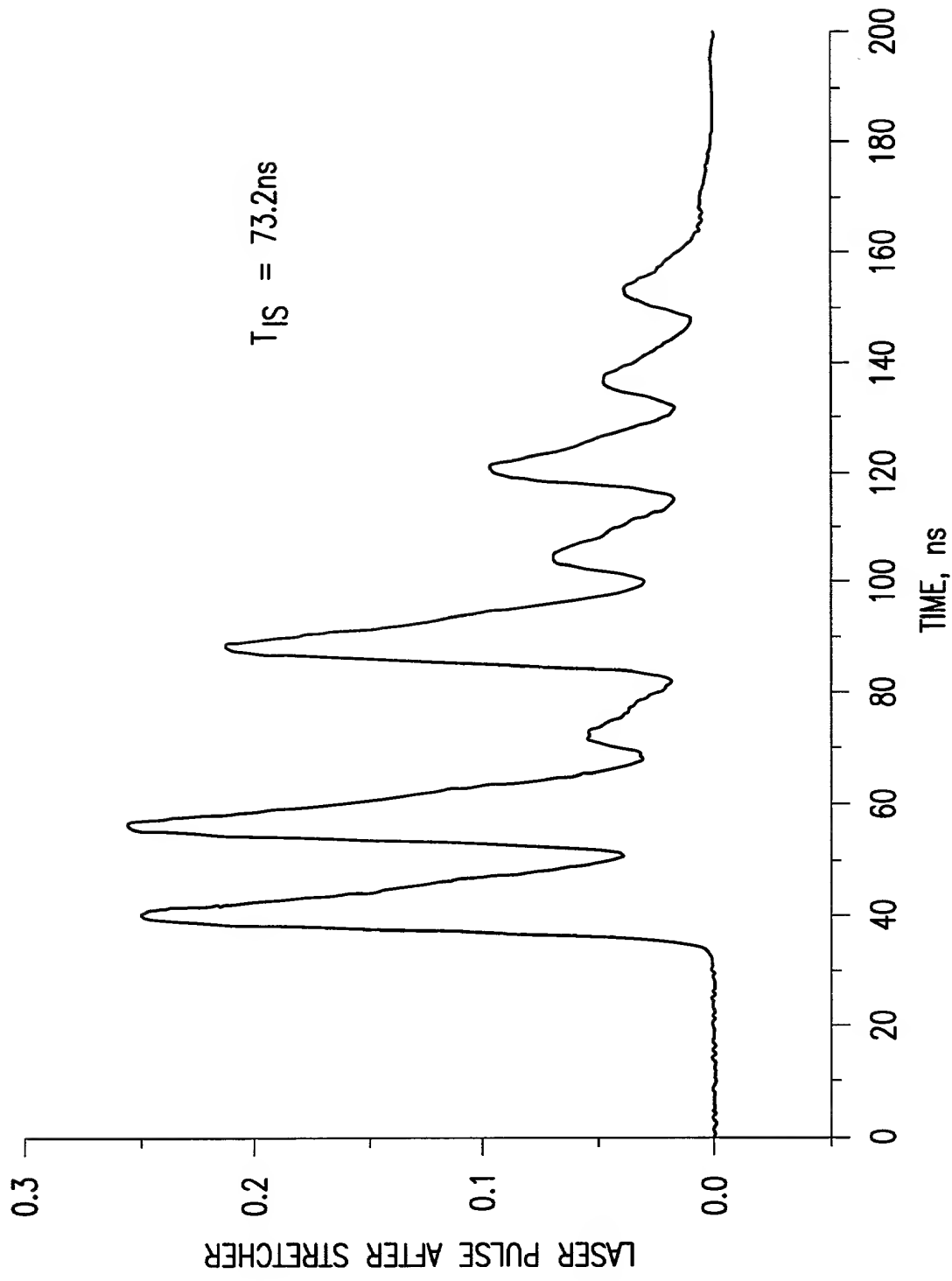
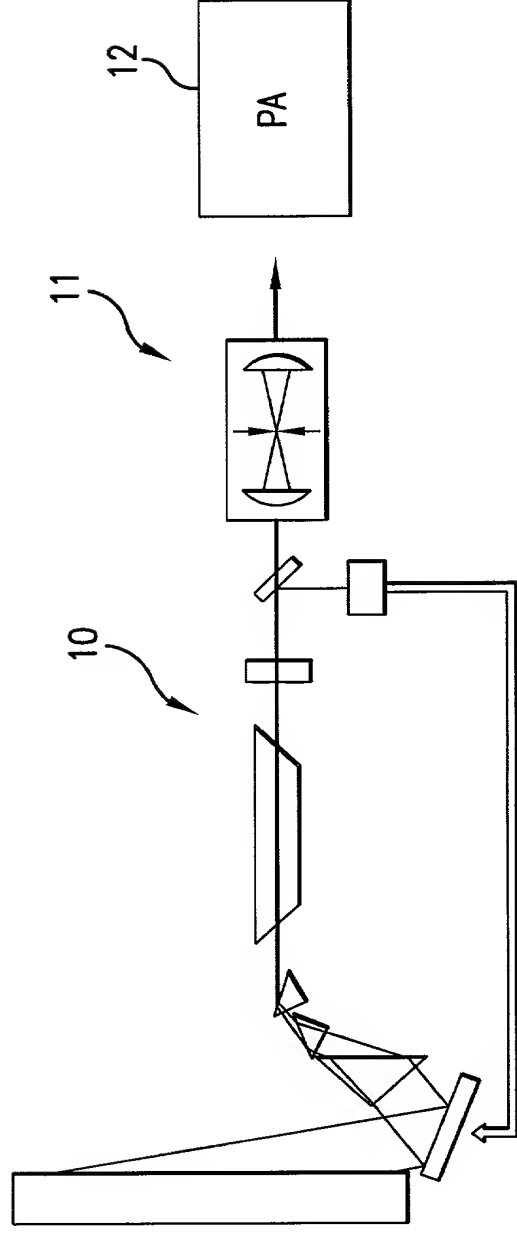


FIG.22D



TIR SPATIAL FILTER TRANSMISSION FUNCTION

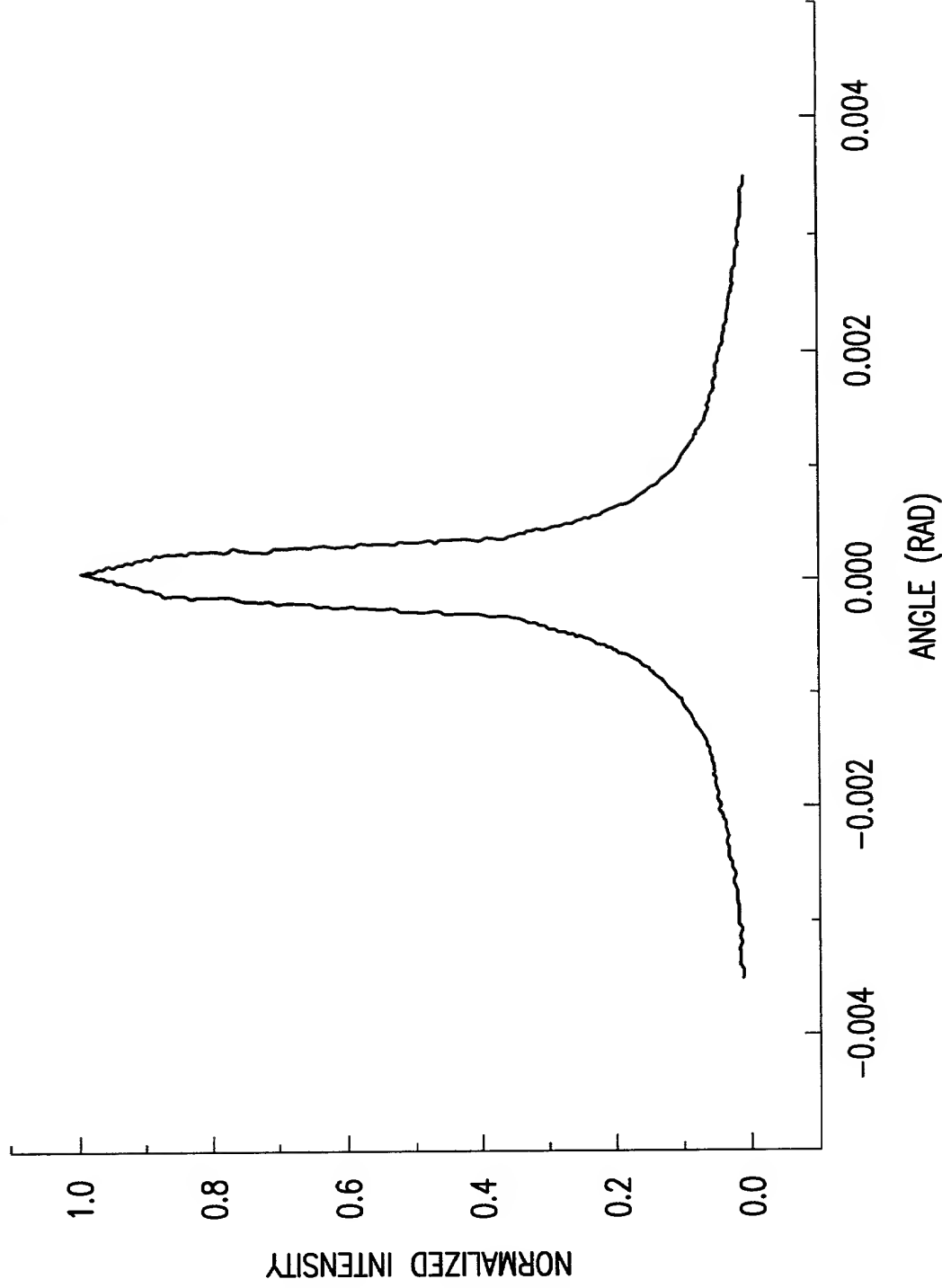


FIG.23A

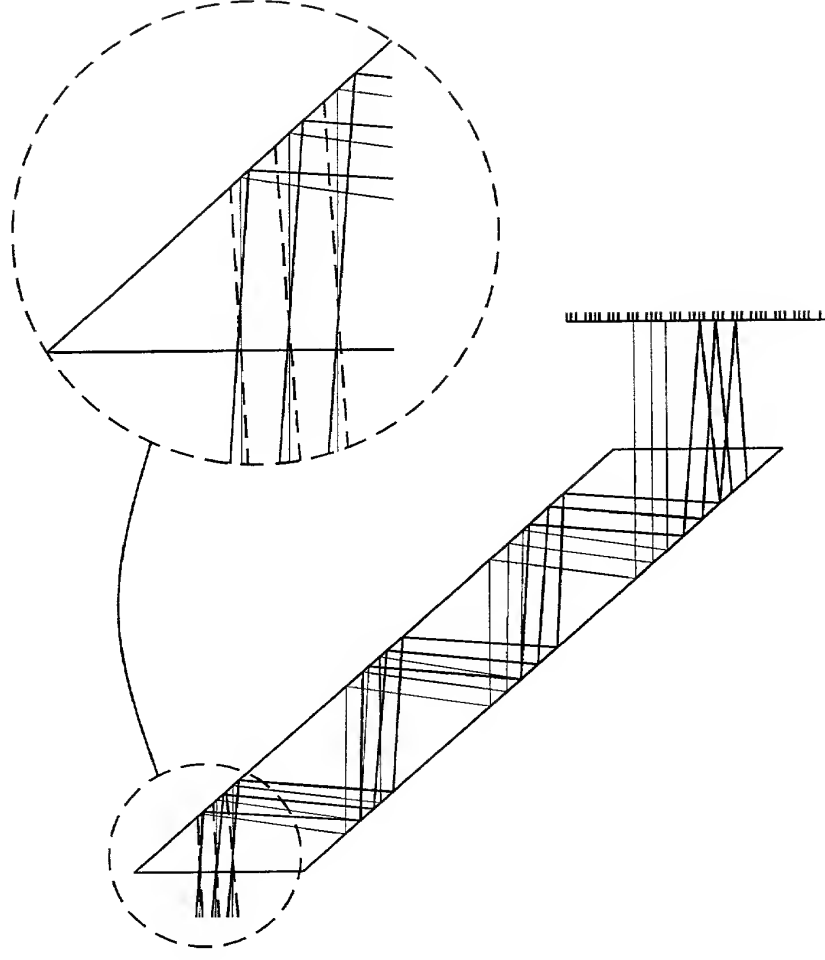


FIG. 23B